

ARRL QSL[®]

The Official Journal of the Foundation For Amateur Radio, Inc.

JULY 1998



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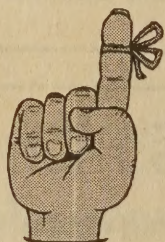
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Regional Hamfests and Other Events

July 5	Murgas ARC, Wilkes-Barre (Dallas), PA	717-288-3532
July 12	SweatFest 98, Brunswick, MD	301-473-4151
July 12	Mid-Atlantic ARC, Kimberton, PA	610-293-1919
July 18	Cleveland Amateur Radio Club, Cleveland, TN	423-479-6260
July 24-25	Milton ARC, Milton, FL	850-626-7686
July 25	Western Carolina ARS, Waynesville, NC	704-258-2639
July 26	BRATS Hamfest, Timonium, MD	410-467-4634
August 1	High Point ARC, High Point, NC	910-887-3039
August 8	Tri-State ARA, Huntington, WV	304-743-9812
August 23	Yonkers ARC, Yonkers, NY	914-969-6548
August 30	Westchester Emergency Communications Assn., Yonkers, NY	914-741-6606
September 12	Saratoga County RACES Assn., Ballston Spa, NJ	
September 13	FARFEST, GAITHERSBURG, MD	
September 19	Western New York Section Convention, Hamburg (Buffalo), NY	716-424-7184
Sept. 19-20	Roanoke Division Convention, Virginia Beach, VA	757-484-2857
October 10	Bahia Shrine AR Unit, Orlando (Maitland), FL	407-380-2902
October 16-17	ARC-Bradford Area, Starke, FL	352-473-3511
October 25	Mason-Dixon Computer and Hamfest, Westminster, MD	717-359-7090
Nov. 21-22	Southern Florida Section Convention, Tampa, FL	813-525-5178



...submissions are due the 1st day of the month prior to the month of publication.
Submit all Club Columns, Shack Sales, and commercial advertising copy to:

John Queen, Editor, Auto Call Magazine
755 Woodland Way, Owings, MD 20736

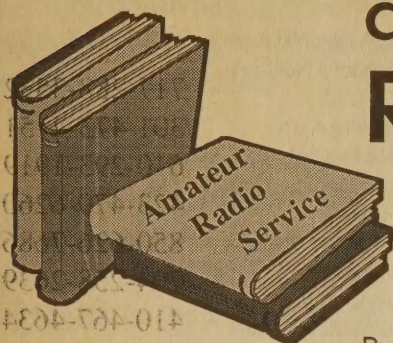


Photo by Kathy Queen, N3PXG

On The Cover

Pictured on the cover of this months' issue of *Auto-Call* is John Queen, KA0SEY, Editor of *Auto-Call* magazine. John hoped he would never have to put his own ugly mug on the cover, but he has ran out of photo submissions! Please help John out by sending him your ham radio related pictures for inclusion in *Auto-Call* so that the August issue doesn't feature a picture of John's cat. (Any good contrast ham related photos are welcomed and encouraged.)

Rules and Regs



By Jack Kelleher
W4ZC

special event call sign formats that would let the call sign symbolize a particular event or type of event.

The petition requests that the FCC make available to the special event call sign program 1x1 callsigns with a letter X suffix as well as 1xx1, Nxx2, and 1xx3 formats, as part of the special event program. The use of the Nxx2 format avoids conflicts with TV translator call sign assignments, which start with K or W. The ARRL also asked that call signs appropriate to US territories and possessions such as Desecheo Island near Puerto Rico or Kingman Reef in the Pacific be made available to DXpeditions for limited periods.

MORE SPECIAL EVENT CALL SIGNS REQUESTED (See ARRL Bulletin 36, 5-19)

Bulletin No. 36 announces that the League has petitioned the FCC for changes in the administration of the special event call sign program. The League wants the FCC to amend its rules to permit the use of additional special event call sign formats in addition to the current one-by-one (1x1) format now authorized.

The petition also asks the Commission to include call signs denoting US territories and possessions having no mailing address within the special event program. Use of those call signs would be limited to locations corresponding to and denoted by the call sign.

Under current rules, 750 combinations of 1x1 format call signs are available for limited periods. Stations operating with special event call signs still must identify with the station's regularly assigned call sign at one-hour intervals.

The League says there has been significant demand for special event call signs outside of the 1x1 format and for DXpeditions to locations under US jurisdiction which do not have US Postal Service mailing addresses. The League also says there's "a great deal of interest" in additional

A comment period will be announced when the FCC assigns an RM number to the League's petition.

DECLARATORY RULING REQUEST MISHANDLED AND MISUNDERSTOOD (From ARRL NIL v17, #22, 5-29)

The ARRL says its request seeking an FCC declaratory ruling affirming the value of band plans was mishandled by the FCC and misunderstood by the amateur community. In comments on RM-9259 filed with the FCC in May, the ARRL says it never intended to propose any changes to the amateur rules, and its request should not have been treated as a rulemaking petition.

The ARRL said it does not dictate how bandplans are developed and was not asking to make specific bandplans mandatory or to accommodate certain uses to the exclusion of others. "Exactly the opposite is intended," the League's comments declared. "Voluntary bandplans should be voluntary, and adherence to them should remain voluntary."

The League said its only goal was to have the FCC interpret and clarify the scope of "good amateur practice" as the term is used in Part 97 of the Commission's rules. It wants the commission

Continued on page 7



MEMBER CLUBS

Adams County Amateur Radio Society
 Alexandria Radio Club
 Amateur Radio Research and Develop. Corp.
 AMSAT - Radio Amateur Satellite Corporation
 Anne Arundel Radio Club
 Antietam Radio Association, Inc.
 ARINC Amateur Radio Club
 Arlington Amateur Radio Club
 Baltimore Amateur Radio Club
 Baltimore Radio Amateur Television Society
 Calvert Amateur Radio Association
 Capital City Amateur Radio Society
 Capital Hill Amateur Radio Society
 Carroll County Amateur Radio Club
 Central Maryland Amateur Radio Club
 Chaverim of the Greater Washington Area
 Cheese Hollow Amateur Radio Society
 Columbia Amateur Radio Association
 Culpeper Amateur Radio Association
 D-MARC - Digital Mid-Atlantic Radio Council
 Department of State Amateur Radio Club
 Dulles Amateur Radio Group
 Explorer Post #80- Amateur Radio
 Fauquier Amateur Radio Association
 Federal City REACT Amateur Radio Club
 Frederick Amateur Radio Club
 Frederick Amateur Repeater Group
 Goddard Amateur Radio Club
 Green Mountain Repeater Association
 Hanover Area Hamming Association
 Historical Electronics Museum Amateur Radio Club
 IBM Amateur Radio Club
 Johns Hopkins University APL ARC
 KB3BOI Repeater Group, Inc.
 Kent Island Amateur Radio Club
 Laurel Amateur Radio Club
 Leisure World Amateur Radio Club
 Loudoun Amateur Radio Group
 MD/DC MARS (Navy Marine) Association
 MADRAS
 Maryland Emergency Phone Net
 Maryland FM Association
 Maryland Mobileers Amateur Radio Club

Mercury Amateur Radio Assn., NE Area
 Metropolitan Communications Network
 Metrovision Amateur TV Club
 Mid-Atlantic DX & Repeater Assn.
 Montgomery Amateur Radio Club
 Montgomery Auxiliary Communications Service
 Moose Amateur Radio Club
 Mount Vernon Amateur Radio Club
 National Capitol ARES Council
 National Capitol DX Association
 Naval Research Laboratory Radio Club
 NOAA Amateur Radio Club
 North Point FM Association
 Northern Virginia FM Association
 Northern Virginia Radio Club
 Ole Virginia Hams Amateur Radio Club
 Opequon Radio Society
 Pentagon Amateur Radio Club
 Potomac Area VHF Society
 Potomac Valley Radio Club
 Prince George's Wireless Association, Inc.
 Prince George's County ARES/RACES
 Quarter Century Wireless Association, Inc.
 Baltimore Chapter #20
 Del-Mar-VA Chapter #150
 Shenandoah Valley Chapter #137
 Vic Clark Chapter #91
 Washington Chapter #23
 Rock Creek Amateur Radio Association
 St. Mary's County Amateur Radio Association
 Shenandoah Valley Amateur Radio Club
 Southern Maryland Amateur Radio Club
 Southern Patuxent Amateur Radio Club
 Stafford Amateur Radio Assn.
 Sterling Park Amateur Radio Club
 Summit Amateur Radio Association
 Tri-County Amateur Radio Club
 T-MARC, Middle Atlantic Repeater Council
 Vienna Wireless Society
 Voice of America Amateur Radio Club
 Washington Adventist Amateur Radio Assn.
 Washington Area Young Ladies ARC
 Woodbridge Wireless, Inc.

NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. **Visitors are always welcome!** The next meeting will be held July 8th at the Lee Center, Alexandria, Virginia. Take Capitol Beltway to Exit 1 (US 1 North). North to the second traffic light, left on Gibbon Street to Fayette. Left on Fayette to dead end at Lee Center Parking Lot. The meeting is conducted in the conference room near the main office of the center.

**Talk-in on
146.55**

to affirm—as the then-Chief of the Private Radio Bureau did in 1983—that, “given the widespread acceptance of band plans in the Amateur Service, operation not in harmony with those plans, which results in interference to other amateur uses, is not good amateur practice.”

The ARRL reiterated that voluntary bandplans that enjoy general acceptance and adherence among hams are “indispensable” and a keystone to self regulation. A copy of the League’s comments to the FCC is on the ARRL Web page at <http://www.arrl.org/announce/RM-9259-cmt.pdf>. (Ed: We believe there is an informal band plan in Canada which is not adequately observed in the U.S. An FCC Declaratory Ruling might help this situation).

LEAGUE SUGGESTS ULS CHANGES (From ARRL Ltr v17, #22, 5-29)

In comments filed May 21 the ARRL expressed overall support for the FCC’s wide-ranging rulemaking proposal to implement the Universal Licensing System (WT Docket No. 98-20), but suggested several changes to the plan. The League:

Supported deleting the application process for non-US hams to operate in this country, but said that the FCC should impose a one-year time limit on such operation or at least be consistent with CEPT and CITEL requirements.

Urged the FCC to authorize visitors from certain European countries and the Americas to operate during short visits to the US. The League also said the new rules should require non-US operators to have their license document in their possession while operating in the US or its possessions.

Said it would “object strongly” if the FCC stopped issuing license documents to hams. The League said it’s often necessary to prove that one is a licensee. It cited amateur protections under state and local scanner and antenna laws, as well as requirements to produce a license for overseas operation. The FCC’s ULS proposal did not suggest

eliminating license documents, but the League said it’s heard “repeated staff references” to the notion, and added that the proposed rules “contain nothing that would continue to obligate the Commission to issue license documents.”

Discouraged the FCC from adopting a proposal to turn over issuance of club and military recreation licenses to private, third-party administrators.

Suggested changes for the new multiple-service FCC Form 605, saying that the new form makes it “inherently more cumbersome for the amateur licensee to determine which portions of the Form are to be used and which may be disregarded.” Also, the League urged the FCC to retain a standard physician’s certification for a medical exemption from the higher-speed Morse Code requirement.

Questioned from a privacy standpoint the requirement for applicants to supply a Taxpayer Identification Number (TIN)—typically a Social Security Number—if they are not participating in the vanity call sign program, which is subject to a regulatory fee.

Said the FCC should not make electronic filing mandatory as of January 1, 1999, as the FCC’s Notice proposes. The League said electronic filing is not yet available to all applicants and the requirement “would certainly disenfranchise some.”

GERMANY AUTHORIZES HAM RADIO “LEARNER’S PERMIT” STATIONS (From ARRL Ltr v17 #21 5-22)

A new program in Germany has established the equivalent of a learner’s permit in an effort to make ham radio more attractive to newcomers. Under the training program, amateurs in Germany may apply for a special instructional license that permits them to set up a station to be used by aspiring hams. The Deutscher Amateur Radio Club (DARC) proposed the plan—which is similar to one used for many years in the former East Germany—to

Continued next page

the licensing authority, the Bundesamt fuer Post und Telekommunikation (BAPT). Those using the instructional station would have the operating privileges of the instructor holding the license.

During a visit to ARRL Headquarters in May, DARC International Liaison Officer Hans Berg, DJ6TJ, said the goal was to have a program to attract people into ham radio and give them a chance to try it while preparing for the licensing examination. "This way, you have a chance to get people to your station to show them how ham radio works," he said. The instructor would be responsible for making sure the station was operated according to the rules, but, Berg says, the rules do not specify that the operator has to actually be present when the station is being operated. There also are no age restrictions on those who operate an instructional station.

Instructional stations would have distinctive call signs, with DN prefixes. Wolfgang Manz, DJ3EO, who heads the DARC's Youth and Education Committee, says a few DN call signs have been issued. "Unfortunately, some amateurs broke off contact because they regarded the instructional station to be illegal," he said.

Berg concedes that some might abuse the program, but he's optimistic that it will lead to Amateur Radio growth in Germany. "It worked pretty well for generations" in the former East Germany, where it was the only way for people to get into ham radio, he said. Berg expects the program to be expanded to Austria and Switzerland within a year, and, eventually, it could be adopted throughout Europe.

Germany also has added what Manz calls "a sort of Novice license." It gives privileges on 2 meters and 70 cm with power under 10 W EIRP. Call signs will begin with DO.

LOCAL CB ENFORCEMENT BILL PASSES SENATE (From ARRL Bulletin #33, 5-14)

A bill giving state and local governments the power to enforce federal regulations covering

illegal CB transmitters has passed the US Senate. Senate Bill 608, introduced by Wisconsin Sen Russell

Feingold, was incorporated as an amendment into S 1618, the Consumer Anti-Slamming Act, approved May 12 on a 99-to-1 vote (Sen Biden not voting). The measure, as redrafted from the original bill with assistance from the ARRL, totally exempts Amateur Radio from its provisions.

The measure requires the FCC to provide technical guidance and includes an appeals process. It's not yet known if or when the entire bill will come up for a vote in the House of Representatives. In remarks read into the Congressional Record of May 12, Feingold said in part: "First, the amendment makes clear that the limited enforcement authority provided to localities in no way diminishes or affects FCC's exclusive jurisdiction over the regulation of radio, "Second, the amendment clarifies that the possession of an FCC license to operate a radio service for the operation at issue, such as an amateur station, is complete protection against any local law enforcement action authorized by this amendment."

70 CM BAND UNDER FIRE AGAIN (From various sources)

On April 22, the Land Mobile Communications Council petitioned the FCC for Rulemaking to reallocate certain bands to the Private Mobile Radio Service, including the bands 420-430 and 440-450 MHz, which are now allocated on a primary basis to the Government for radiolocation service, and to the Radio Amateur Service on a secondary non-interference basis.

The Petition was published by the FCC in early May as RM-9267, with a deadline of June 1 for comments, and June 15 for reply comments.

The initial reaction of the American Radio Relay League was in ARRL Bulletin #32, May 13th. Excerpts follow.

Continued next page

The League said: "The recent Land Mobile Communications Council petition seeking access to 70 cm is 'incompatible with continued amateur use of the band'. ARRL urged members to comment in opposition—not only to the FCC but to the LMCC's members. ARRL said further: "Amateur Radio enjoys the use of 70 cm on a secondary basis to government radiolocation (military radar). The LMCC has proposed to share the two subbands with Amateur Radio, but has not said how sharing would be possible.

ARRL Executive Vice President David Sumner said ARRL members should not complain to members of Congress nor write angry letters to the FCC. "The LMCC petition is a private-sector initiative, not a government proposal," Sumner said. "By law, the FCC has to put the petition on public notice and invite comment. That's all the FCC has done with it." Sumner said that criticizing the FCC at this stage would be "inappropriate and counterproductive."

Sumner reminded members that nothing is going to happen overnight with the LMCC petition, and that there will be at least one more opportunity for public comment. "Before the FCC can take the next step to reallocate this spectrum, it must get the federal government to agree," he explained, because the government is the primary occupant. Then, the FCC would have to issue a Notice of Proposed Rule Making and solicit public comments on its proposal.

RSGB SAYS "NO" TO MANDATORY MORSE CODE (From ARRL Ltr v17 #20, 5-14)

The Radio Society of Great Britain is taking up the banner to seek reconsideration of the IARU policy supporting mandatory Morse code testing for access to Amateur Radio HF bands. As a first step, the RSGB Council has opened talks with the Radiocommunications Agency—the UK's equivalent to our FCC—to institute an additional license class giving full HF privileges to existing Class B (no-code VHF/UHF) licensees who pass a 5 WPM code test.

"We're not trying to get rid of Morse! No way!" insisted RSGB President Ian Kyle, G18AYZ/M10AYZ, during a visit to ARRL Headquarters. In a statement slated to appear in the June issue of RadCom, the RSGB journal, the Society says it will continue to support Morse code and CW subbands on HF "as core elements of Amateur Radio globally." But, Kyle said, "Mandatory testing of Morse is going to go whether we like it or not."

Kyle and RSGB General Manager Peter Kirby, G0TWW, say there no longer is any good reason to insist that applicants pass a Morse code test to operate on HF. "It's stopping growth in the hobby," Kirby said, adding that he disagrees with those who think it will be the death of the hobby or would lead to lower operating standards. For a more complete discussion see the referenced ARRL Newsletter.

Do you have a nomination for FAR's Ham of the Month?

Any licensed amateur radio operator in the Auto-Call subscription area who has contributed significantly to the amateur community can be nominated. Provide a narrative of 250 to 500 words describing the contributions of the nominee and forward to the FAR Ham of the Month nomination chairman, Tony Young, WA3YLO, at 12016 Long Ridge Lane, Bowie, MD 20715.



American Radio Relay League Report

By John Swafford,
W4HU

The purpose of the ARRL Report is to provide the essential news of interest to active, organizationally minded radio amateurs faster than it can be disseminated by our official Journal QST. We strive to be fast, accurate and readable in our reporting. Material from the ARRL Report may be reproduced in whole or in part in any form including photo reproduction and electronic data banks, provided that credit is given to The ARRL Letter and The American Radio Relay League.

1998 DAYTON HAMVENTION A HIT

Three days of fair weather and a largely enthusiastic crowd highlighted the 1998 Dayton Hamvention. By most accounts, attendance was, at best, no better than last year's, but the jury's still out on whether the crowd was in a buying mood. It depends on whom you ask. According to Chris Lougee, N7TJM, of ICOM, buying was up this year. "The biggest change [from last year] was the interest in new HF products," he said. Weather was in the Mid-80s for the first couple of days of Hamvention, and it was on the humid side as well. Lougee thinks that might have held down the amount of traffic inside Hara Arena.

Also on the optimistic side was Alinco's Doug Wynn, KB6YZD. "It was the best Dayton Hamvention ever for Alinco," Wynn said. Alinco introduced its DJ-C5T dual-band "credit card" radio at Dayton. Wynn called it "a big hit" and said "hundreds and hundred of them were sold."

Kenwood's Paul Middleton, KD6NUH, felt sales in general were down. "Fewer boxes were seen in the hands of customers," he said. Middleton said Kenwood's "Easter Island QSL" picture booth, featuring Kenwood's new hand-held VC-H1 Visual Communicator SSTV system, "remained very popular throughout the event." The company's classroom sessions to introduce visitors to its new products also were "booked solid," he said.

Most observers felt the Sunday crown was down substantially. By then, the weather was somewhat cooler and a lot less humid. At week's end, manufacturers still were tallying sales data from retail outlets to see if the hard numbers match up with their perceptions of the show. Dayton Hamvention officials have not released an official head count.

While there was no "killer" product debut this year to compare with last year's Kachina 505DSP transceiver, Yaesu may have trumped ICOM's popular IC-706 with its new FT-100 "Field Commander" transceiver. While not expected to be available until late summer or early fall, the FT-100 covers all amateur bands and modes from 160 meters through 70 cm, with the exception of 222 MHz—all inside a box that's slightly smaller than the '706. It includes a detachable front panel, CW keyer, DSP features, and slots for optional filters. Like the competing '706, the FT-100 will not operate full duplex for satellite work.

To sort of even things out, ICOM reported a lot of interest in its new IC-Q7A mini H-T, intended to compete with the VX-1R that Yaesu debuted at Dayton last year. The IC-Q7A offers wideband receive capability, from 30 to 1300 MHz in a very small package.

Several small HF transceivers priced well below the \$1000 mark also turned up at Dayton this year. One, the EleCraft K2, will be a kit. Noted QRPer Wayne Burdick, N6KR, of Wilderness Radio and NorCal renown, is one of the rig's designers. It's expected to be on the market by fall. SGC's long-awaited SG-2020 HF compact

transceiver also was on display at Dayton. The unit has recently become available from dealers. Patcomm's new PC-9000 also was on display, although it's not yet available. The new, compact 40-W box will cover 160 through 6 meters. Premier/ADI also plans to market an economy priced HF transceiver under the Pryme label. (ADI also had new 6 meter and 1-1/4 meter hand-helds.)

Ameritron had its new "true legal limit" antenna tuner, the ATR-30, on display at Dayton, plus a new precision SWR/wattmeter, the AWM-30.

Also popular were computer-operated "black box" receivers. Following on the heels of ICOM's successful PCR1000 which debuted last year, Ten-Tec will offer its own "black box" radio, the RX-320. Ten-Tec also debuted its new Titan II (Model 416) linear amp, a single-tube design that provides full legal limit and has a self-contained power supply.

Antennas were everywhere, including a new trapless tribander from Bencher, the Skyhawk. Timewave and Kantronics were among those offering new multimode data controllers. Kantronics President Phil Anderson, W0XI, said the new KAM '98 TNC was well received. "I think it's safe to say that digital is making a huge comeback," he said.

But vendor Walter Spieth, DK9SQ, of Ebersback, Germany hit one clean into left field with his telescoping fiberglass antenna poles. Spieth and his entourage, decked out in traditional Bavarian costume for their first-ever Dayton appearance, sold out of the 33-foot long lightweight masts that are designed for temporary or portable antenna use. While at Dayton, he also made arrangements for US dealers to handle the product.

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make ham radio more attractive to newcomers. Under the training program, amateurs in Germany may apply for a special instructional license that permits them to set up a station to be used by aspiring hams.

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ICOM AMERICA FUNMOBILE TO VISIT ARRL HQ

If you missed the brightly decorated ICOM Funmobile at the Dayton Hamvention, you might want to stop by and see it on one of its other stops around the US and Canada. The Funmobile—actually a 30-foot motor home—carries a complement of operational ICOM Amateur Radio equipment, will visit ARRL Headquarters in Newington, Connecticut, on June 3 from noon until 3 PM. It will then visit Lentini Communications in Newington.

ICOM has posted additional information on the Funmobile—including scheduled visits and some interior photographs of the equipment—on its Web site at <http://www.icomamerica.com/ontheroad/>.

IN BRIEF:

*ARES Web site classifieds: The National ARES Web page (sponsored by ARES of Southeast Louisiana Inc) now offers a free classifieds page for hams looking to buy, sell, or trade Amateur Radio gear. It's at <http://www.ares.org/classified/classified.htm>. This is a free service.—thanks to Newsline.

*Weather spotter training a PR plus in NC: Bill Boyes, KB1G, Triad SKYWARN EC (Greensboro/Winston-Salem/High North Carolina), reports ham radio got great publicity from a weather-spotter training class on April 23 in Rockingham, North Carolina. Boyes said one TV station "did a great piece, including a major plug for the Amateur Radio end of SKYWARN." Boyes says the station's reporter prominently mentioned hams and pointed out that it was a ham who first spotted a recent tornado in Mayodan. Of the 155 people attending the spotter training, about two-thirds were nonhams who received an excellent introduction to the hobby and its public service

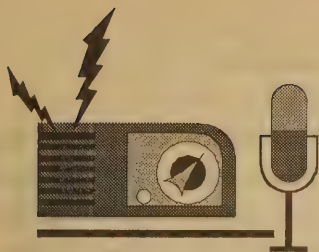
aspects.—Gary Pearce, KN4AQ.

*SAREX at science teachers' confab: The Space Amateur Radio Experiment—SAREX—program had a presence in the NASA booth at the recent National Science Teachers Association convention in Las Vegas. ARRL Educational Activities Coordinator Dan Miller, K3UFG, was on hand to help explain the value of ham radio as an educational tool to the approximately 18,500 attendees. Ably assisting were Ken and Linda Chaffee, WA1QXR and N1XHT, respectively, Ken is a retired teacher and active AMSAT enthusiast. Also pitching in were ARRL Southwestern Division Director Fried Heyn, WA6WZO, and his wife, Sandi, WA6WZN. Miller says he came away from the convention with a feeling that the exhibit had helped make more teachers and administrators aware of ham radio's classroom potential.—Dan Miller, K3UFG

*ICOM donates station to South Africa: ICOM has donated an IC-706MkII transceiver and an AH-4 automatic antenna tuner that will be used to establish a club station for South African youth as part of a government initiative to interest young people in technical activities and careers. The transceiver was on display at the IARU booth during the ITU-sponsored Africa Telecom 98 in Johannesburg.

*Tandy CEO to retire: From Ft Worth Texas comes word that Tandy Corporation Chief Executive Officer John Roach will retire at the end of this year. It was under Roach's tenure that ham radio gear was introduced into the Radio Shack line of products. Tandy President Leonard Roberts will succeed Roach as CEO on January 1.

*Premier acquires Aria Industrial: Premier Communications, which manufactures ADI brand amateur gear, has announced that it has acquired battery-pack manufacturer Aria Industrial Corporation. Premier recently announced its own entry into the battery pack market with its Pryme Radio Products NiCd and NiMH batteries. Aria's offices have been relocated to Premier's facilities in Walnut, California.



DX DX DX

By John Kanode,
N4MM

HIGHLIGHTS OF THE INTERNATIONAL DX CONVENTION IN VISALIA

It has been a very busy month with two major Amateur Radio DX events. This year I attended the International DX Convention in California for the first time. It was held in Visalia this year. I flew into San Jose and was met by Jim, W6CF. On Friday morning, Jim and I drove to the convention, which was about a three hour drive.

The convention was held in a very nice Holiday Inn. Once you get checked into your room, you check in at the convention registration desk to get your convention tickets and program. Registration was \$55.00 but that included two large meals, attendance to all the forums and presentations and a chance on some very good prizes, such as a FT1000MP, Henry 2KD Classic amplifier, MA-40 tower, Cushcraft X-7 yagi, Tri-EX LM237 tower, TH3 Tri band yagi, Kenwood T59505 radio plus many other prizes. The program book was one of the best I have seen. Many conventions should take note. The program starts on Friday at noon and runs until noon on Sunday. One thing I did not expect were the displays. About 30 companies had set up displays in one of the large meeting rooms. Most of the displays were tower, amplifier and major transceiver companies.

The major presentations were on Saturday and ran all day. The activities started with a welcome by Dave Bell, W6AQ followed by the introduction of ARRL officials by Fried Heyn, WA6WZO. Next was the DX Forum which was moderated by Vince Thompson, K5VT. I was chosen to be one of the forum panelists. Bill, KSFUV; Lew, K4VX; Jim, W6CF; Wayne, N7NG were also on the forum panel. Many DXCC questions were asked, most dealing with the new DXCC 2000 program. The

next presentation was the recent North Cooks DXpedition by Tom, K8XP which was followed by a program on antenna testing by Ward, N0AX and Steve, K7LXC. The next presentation was a very unusual one by Harvey, W8DX which was titled "The Lore of DXing and the Radio Curiosity Shop". Following this was an excellent program on homebrewing an amplifier using the latest new tubes by George, K6GT. For those not interested in some of the presentations, there was a DX Jeopardy game going on in another meeting room. It was designed after the TV game show, Jeopardy. It was well done with a set one used on TV. All the questions were DX related. The three top panelists won some very nice prizes.

In the mid afternoon, Frank, AH0W gave a presentation on the Midway/ Kure Island DXpedition which was followed by "8Q7AA, DXing from the Indian Ocean" by Warren, K7WX. ARRL Vice Director, Art, W6XD presented a brief program on "Working the Ultimate DX". This was a tie in with SETI. The last presentation before the main banquet was given by Bob, K3EST and Bob, N6BT on the 6Y4A contest operation. At 7 PM the main banquet started and the feature speaker was Neville, G3NUG. He gave a very nice presentation on the recent 9M0C DXpedition to the Spratly Islands.

After the banquet, the hospitality rooms opened and the DX discussions continued on.

Sunday started with the DX breakfast buffet and presentation of special awards. The final round of the DX Jeopardy game was played and was enjoyed by all. There were two interesting DX presentations on Sunday morning, the first was by Zorro, JH1AJT on his DXpedition to Laos. He also made an announcement that he and others have been invited to operate from As, Bhutan in early 1999. It was amazing that the last presentation took place. It was on the very recent, like three days before, DXpedition to the Marquesas and Austral Islands by Bob, W6RJ and his son, Rob, W6KA. They just got home from their two week trip to

Continued next page

these islands, which are going to be added to the DXCC list very soon. I think that this must be a record for returning from a DXpedition and having a slide presentation ready to show at a DX gathering.

The last thing was the prize drawings and then the convention was over. I was told that the total registrants were over 650. It was one of the best DX conventions that I have ever attended and I hope to get another chance to attend. Next month I will give a rundown on DX activities at Dayton.

UPCOMING DX CONTESTS

RAC Canada Day Contest	July 1
Venezuela SSB DX Contest	July 4-5
IARU HF Championship Contest	July 11-12
SEANET CW Contest	July 18-19
IOTA Contest	July 25-26
Venezuela CW DX Contest	July 25-26

TIDBITS

The 59(9) DX Report has announced that they are sponsoring a new award called the WARC Bands Century Club. The award is for working 100 countries on each of the three WARC Bands (10,

18 and 24 MHz). A handsome wood plaque is available with a sequentially numbered plate engraved with your call and date of issuance. The cost of the award is \$50.00 in the US. Also a multi-colored parchment certificate is available for \$5.00. The award is open to all amateurs and SWLs. Send a log extract (GCR) signed by two amateurs and the application form and fee to THE DX 59(9) Report, PO BOX 73, Spring Brook, NY 14140.

France has granted permission for amateurs to use 1810 to 1830 KHz on a secondary basis. This is in addition to the 1830 to 1850 segment already authorized for Amateur Radio.

The 3B7RF DXpedition is over and they made about 53,000 QSOs. Conditions were not the greatest for the US and the high noise made QSOs on 80 and 160 very difficult if not impossible. For those who worked them, QSLs go to HB9RF.

GM4DMA will be active from Uganda using the call 5X1LH for most of July.

The QSLs for the recent H40AB operation are out. Jim, VK9NS did an very fine job on getting the cards out in record time. Hopefully the FOØ QSLs will be showing up soon.

MARS REPORT

By Vinny Del Giudice WB2KQG/AFA2MI
Virginia USAF MARS public affairs officer

MARS and amateur radio lost a good friend May 29 with the passing of Senator Barry Goldwater, K7UGA/AFA6BG.

A man of many accomplishments, Senator Goldwater sponsored a legendary MARS station — AFA7UGA — at his home in Arizona during the Vietnam War. The station, staffed around the clock by volunteers, provided more than 100,000 phone patches and messages between the members of our armed forces, their families and friends from

1967 to 1973, according to a history of the Air Force MARS program. Senator Goldwater was also on hand for the 1978 dedication of a MARS station at Andrews Air Force Base, Maryland, and personally ran the first phone patch between Germany and Illinois.

In honor of the senator, his MARS call signs, AFA6BG and AFA7UGA, have been retired from military service, according to Ray Collins, AGA3C, chief, Air Force MARS.

9th Annual

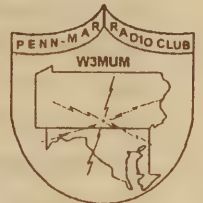
Mason-Dixon

Computer & Hamfest

Sunday - October 25, 1998



**Carroll County Ag Center
Westminister, MD**



Admission

- General/Tailgaters/Vendors
- Donation \$5.00 (children under 18 free)
- Tailgate Space - \$5 per 12' space
- 6:00 AM Vendor and tailgating setup
- 8:00 AM General Admission

Inside 8' Tables

- \$15 if prepaid by 10/1/98
- \$20 on day of Hamfest

MD State law requires Vendors to collect Sales Tax

Advance Table Registration
(Reserved Tables MUST be PREPAID)

Mail to:

Mason-Dixon Computer & Hamfest
P.O. Box 763
Hanover, PA 17331

Or contact:

George Johns, N3JKY

Phone: (717) 633-6641

E-Mail: gjohns@sun-link.com

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or
Shine!*

*Hundreds
of
Tailgating
spaces
Available!*

VE Exams - Preregistration Requested

- Mail to: Bill Wolfgang, NZ3J
9 Kensington Drive
Littlestown, PA 17340
- or call:
Bill Wolfgang, NZ3J - (717) 359-7090
Pat Stump, WW3U - (717) 632-4237

On-Site Registration

- Begins promptly at 9:00 AM
- No admittance after 10:00 AM

Testing conducted at the

Carroll County Fire Training Center

1345 Washington Rd.

Westminister, MD

(across from Kate Wagner Road)

Required for VE Exam

- Original FCC license plus one copy
- Two forms of ID (one w/ photo)
- Any CSCE's
- Exam fee, \$6.35 cash only

Talk-in: CCARC Repeater 145.410 MHz.

FREE Commercial Radio Checks

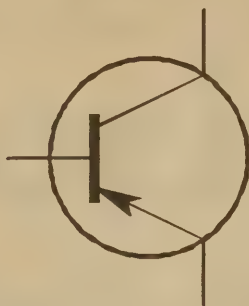
COME HUNGRY!

We have great food, prepared once again by the MIDWAY FIRE COMPANY

Check out <http://www.qis.net/~k3pzn> for late breaking information

Sponsored by The Carroll County and Penn-Mar Amateur Radio Clubs





Amateur Radio Training

John Forrest WZ4A
6111 Burnett St., Alexandria, VA 22310
(703)971-3905

Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the *Auto Call* publication date (e.g., 25 December for the February issue).

Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703) 644-3920
Anne Arundel RC	Tony Young WA3YLO	(301) 262-1917
Arlington ARC	Mike Callaham NW3V	(703) 241-5618
Antietam Radio Assn.	Robert Long KD3JK	(301) 824-5132
BRATS (Baltimore)	Joe Chidester W3SHZ	(410) 602-0353
Baltimore ARC	HAM-TALK, BARC Voice Mail	(410) HAM-TALK x3835
Central MD ARC	Jim Tilton KD3JA	(301) 552-0012
Dulles ARG	Michael Weber WB8RDN	(703) 450-2304
Fauquier ARC	Neil Spokes AB4YK	(540) 364-3861
Frederick ARC	Hal Silverman W3HWC	(301) 831-7946
Historical Electronics ARC	Rol Anders K3RA	(410) 969-0410
Laurel ARC	Pud Reaver W3YD	(301) 498-6293
Mid-Atlantic DX Assn.	Michael Vaia, WB8VBW	(301) 738-3861
Madras	Larry Ziecheck, N3GKZ	(301) 984-6113
MD Mobileers ARC	Bruce Colburn AA3KR	(410) 437-1891
Montgomery ARC	Rocky Jones KC4UXO	(301) 216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703) 971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301) 249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703) 361-3091
Pentagon ARC	David Boyd K9MX	(540) 659-6241
St. Marys Co. ARC	Peter Butt WA3UMY	(301) 862-2214
Shenandoah Val ARC	Fred Wetzel W4KRT	(540) 678-0394
Southern MD ARC	Vic Curtis WA3YUV	(301) 888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410) 586-2177
Stafford Adult Ed	Jerry Mullinix AC4HK	(540) 659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703) 430-4149
Tri-County ARC	John Creel WB3GXW	(301) 572-5124
Vienna Wireless	Kerry Kingham, WA4BQM	(703) 691-2719
Woodbridge Wireless	Jim Duffey WD4AIR	(703) 491-3170



Volunteer Examiner Cooperative

JOHN FORREST WZ4A
6111 Burnett St.
Alexandria, VA, 22310
(703) 971-3905

* Effective July 1, 1998, the General Class written exam question pool (Element 3b) will change. All books and study materials not based on this new pool will be obsolete after that date. Be sure to use study materials appropriate for the current question pool.

* Volunteer Examiners may refuse to test any applicant who fails to demonstrate to the VE's satisfaction that the memories in the applicant's calculator are empty. If you bring a calculator to an exam, please be prepared to demonstrate that your memories are empty.

* Effective January 1, 1998, the maximum FCC authorized exam fee is \$6.39.

1998 Schedule of Examinations

July 5 (Sunday)	Elkins, WV - (Mountain ARC VEC) Walk-In Contact: Walter Corley KF8SX (304)637-0506
July 11 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
July 12 (Sunday)	Middletown, VA - Winchester ARS (ARRL VEC) Walk-In Contact: Alan Moeck WA2RPX (540)869-1117 Gregory Lanham KU4AN (540)722-4792 KUAN@visuallink.com

Don't forget to bring your license when upgrading!!

July 18 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Manchester, MD - Hanover Area Hamming Assn. (ARRL VEC) Pre-Registration Preferred - Walk-Ins Accepted Contact: Ed Davis KE2FN (410)239-8488
	Fredericksburg, VA - Fredericksburg VE Team (ARRL VEC) Walk-In Contact: Carolyn Cavanagh AC4SK (540)373-7076

July 26 (Sunday)	Hagerstown, MD - Antietam Radio Assn (ARRL VEC) Pre-Registration Suggested - Limited Walk-Ins Contact: Bob Long KD3JK (301)824-5132, rjlong@erols.com
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July 28 (Tuesday)	Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested - Limited Walk-In Contact: Jerry Gavin NU3D (410)761-1423
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August 2 (Sunday)	Berryville, VA - Shenandoah Valley ARC (Hamfest) (Mountain ARC VEC) Walk-In Contact: Fred Wetzel W4KRT (540)678-0394 Leo Patterson KQ8E (304)289-3576
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August 8 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
	Cumberland, MD - (Mountain ARC VEC) Walk-In, Contact: Leo Patterson KQ8E (304)289-3576, Gay Rembold W3DFW (301)724-0674
	Sterling, VA - Dulles Amateur Radio Group (ARRL VEC) Contact: Mike Weber WB8RDN (703)450-2304
	Culpeper, VA - Culpeper VE Team (VEC Unknown) Walk-In Contact: John Berry AF4CY (540)543-2580

Don't forget to bring your license when upgrading!!

August 9 (Sunday)	Middletown, VA - Winchester ARS (ARRL VEC) Walk-In Contact: Alan Moeck WA2RPX (540)869-1117 Gregory Lanham KU4AN (540)722-4792 KUAN@visuallink.com
August 15 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In, Contact: John Creel WB3GXW (301)572-5124 after 6 PM
August 22 (Saturday)	Towson, MD - Baltimore ARC (Laurel VEC) Pre-Registration Requested, Walk-Ins Accepted Contact: Frank Stone AC3P (410)Ham-Talk mailbox TEST
August 25 (Tuesday)	Annapolis, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested - Limited Walk-In Contact: Lois Turner KA3VVQ (410)647-4178
September 12 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In New Location for September Exam Only - Please Call For Directions Contact: Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
September 13 (Tuesday)	Middletown, VA - Winchester ARS (ARRL VEC) Walk-In Contact: Alan Moeck WA2RPX (540)869-1117 Gregory Lanham KU4AN (540)722-4792 KUAN@visuallink.com
September 19 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Manchester, MD - Hanover Area Hamming Assn. (ARRL VEC) Pre-Registration Preferred - Walk-Ins Accepted Contact: Ed Davis KE2FN (410)239-8488

Don't forget to bring your license when upgrading!!

September 22 (Tuesday)	Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested - Limited Walk-In Contact: Jerry Gavin NU3D (410)761-1423
October 10 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
	Cumberland, MD - (Mountain ARC VEC) Walk-In Contact: Leo Patterson KQ8E (304)289-3576 Gay Rembold W3DFW (301)724-0674
October 11 (Sunday)	Middletown, VA - Winchester ARS (ARRL VEC) Walk-In Contact: Alan Moeck WA2RPX (540)869-1117 Gregory Lanham KU4AN (540)722-4792 - KUAN@visuallink.com

TRAINING CLASSES

NOVICE/TECHNICIAN CLASS: Sponsored by the Baltimore County Board of Education, Office of Adult Education and the Baltimore Amateur Radio Club (BARC). Monday evenings, September 14 to November 2, 1998 (8 weeks). Time is 7 to 9 PM. Fee is estimated to be \$30. Call (410)887-4064 to register or for information on the Adult Education programs. For additional information about this class or BARC, call (410)HAM-TALK, mailbox 3835.

ELMER COURSE: The Mt. Vernon Amateur Radio Club will present an Elmer Course to help new hams become more proficient in the hobby by transitioning from license exam study to station building and actual amateur operation. If you have questions, problems, or are feeling left out of the amateur radio community, perhaps we can help. The course will meet from 10:30AM to 2:00PM on the fourth Saturday of each month from January thru December at the Mt. Vernon Government Center on Parkers Lane in the Mt. Vernon area of Alexandria, VA. For information contact: Frank Lempicki, AA4ZS at (703)971-9304 or Chuck Haser, W3HSW at (703)660-6623.

Don't forget to bring your license when upgrading!!



Volunteer Examiner Cooperative

EXAM FEES:

- * Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
- * ARRL VEC exams cost \$6.35
- * Laurel VEC exams are free
- * Mountain VEC exams are free
- * W5YI VEC exams cost \$6.35

BRING TO EXAM:

- * Picture identification
- * Completed FCC form 610 (most VE teams will supply at exam)
- * Original and a copy of current FCC amateur radio license
- * Originals and copies of all active certificates of successful completion of prior exams
- * Exam fee (check or cash depending on VE team)

"GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

- * If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., January 25 for March issue)



Anne Arundel Radio Club

Meetings: 8 PM 1st and 3rd Thursdays, Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.

On the air: 2030 Thursdays when there is no club meeting on 147.705/105. Tuesdays at 2030 local time on 28.410. Wednesdays at 2000 on 444.400. The Chesapeake Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15. MSN (Maryland Slow Net) every evening at 1930 on 3.7170 MHz.

Address: P.O. Box 308, Davidsonville, MD 21035.

Information: Margaret (Holly) Bevan, 410-923-0229.

Spring public service events continued on into May. On Sunday May 3rd, club members furnished communications for the annual Chesapeake Bay Bridge Run. It always takes place just ahead of the Bay Bridge Walk. That was the big weekend when the Whitbread Boats started one leg of their around-the-world race near the bridge and the spring boat show was in session in Annapolis harbor. Several club members were among the many hams recruited to work with the county emergency management office.

On May 17th volunteer communicators worked the seventh annual Walk for the Animals in Quiet Waters Park. This event is sponsored by the Society for the Prevention of Cruelty to Animals of Anne Arundel County. In addition to the walk, dog obedience demonstrations are held and the llamas from Homestead Gardens are brought in to be observed.

Rich Boyd/KE3Q was the speaker for the monthly program meeting on May 21st. He showed

slides of A61AJ, the big ham station that is being built in United Arab Emirates, following his tower and antenna plans. Rich was there in November and supervised the construction of monoband yagis for 40 through 10 and the erection of four 100-ft towers, one for each of the monobanders. Rich and the second op/K3LP made 7,250 QSOs in the CQ Worldwide DX Contest (cw). Rich also got on in Oman as A4/KE3Q, U.A.E.'s neighbor to the south. Since the November visit, the 20M tower has been raised to 150 feet, a three-high yagi stack and a 150 ft. tower with an 80M yagi has been added. In spite of the late hour, a number of persons lingered after the meeting was closed to see more slides and hear more about the operation.

At the clubhouse on May 9th, Bob Israel/WC3I, Oscar Ramsey/NV3G and Charlie Tiemeyer/W3RMD gave 11 tests to 7 persons. Seven tests were passed with 2 upgrades. Other members of the team included Harlan Ray, III/AA3FE, Harold (Ham) Molz/N3FDH, Robert Kammer/N3POX, Bettye Tiemeyer/K3VRZ and Holly Bevan/N3MB. The next testing session at the clubhouse will be on July 11th.

Bob Bruninga/WB4APR was honored at the Dayton Hamvention this year. He received the "Hamvention Award for Technical Achievement" for the development of the APRS.

Doug Ellmore has changed his call from N3XQP to NA1DX.

73, Holly/N3MB

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Antietam Radio Association

Meetings: First and Third Tuesday of the month at 8 p.m. in the Conference Room at the Washington County Regional Airport, Showalter Road, Hagerstown, Maryland.

Mailing Address: P.O. Box 52, Hagerstown, MD. 21741

Nets: Tuesday 7 p.m. 146.940 MHz.; Wednesday 7 p.m. 447.975 MHz.; Thursday 7 p.m. 147.090 MHz.

Repeaters: 147.09+ and 146.94 -.

Information: Donnie Sue Mulligan/
KB3AOO (301) 582-2984



Arlington Amateur Radio Club

Meeting: Third Tuesday of each month, 7:30 P.M., Red Cross building, 4333 Arlington Blvd., Arlington, VA. Nonmembers welcome!

Net: Tuesdays (except meeting nights), 7:30 P.M., 144.87/145.47 Mhz FM.

Information: Mike Callaham, NW3V @
WA3TAI, callaham@tmn.com,
(703) 241-5618.

WWW: [http://www.geocities.com/
CapeCanaveral/Lab/4306/](http://www.geocities.com/CapeCanaveral/Lab/4306/)

Minutes of the May 19, 1998 meeting of the
Arlington Amateur Radio Club:

Vice President Dennis W4PWF called the meeting to order at 1947L. Also attending were Tom N4BYF, Walt KT4EL, Mike KA8OPJ, and later David KF4JAA and Keith KF4QXF.

The minutes of the April meeting as published in the Beacon, and the treasurer's report as submitted, were approved.

Old business: W4PWF read the proposed amendment to the by-laws: "Resolved: That the By-Laws of the Arlington Amateur Radio Club be amended to allow notice of meetings to be transmitted by electronic mail to members who have provided the club with an e-mail address, unless a member requests that the notice is sent by USPS."

Discussion followed. W4PWF noted that he, WA4FXX, and the probably the secretary would want a hard copy of the minutes. N4BYF noted that of 16 current members, he had e-mail addresses for 14. W4PWF suggested that a change to the text of the amendment:

"Resolved: That the By-Laws of the Arlington Amateur Radio Club be amended to allow notice

The GREAT Hagerstown Hamfest was held May 3rd at the Hagerstown Junior College, in and around the Athletic, Recreation and Community Center. We will do it again next year and schedule May 2, 1999 as a sunny day! The name of the college is changing to Hagerstown Community College but MARK YOUR CALENDARS to show up for our Hamfest, the first Sunday in May, same place!

The brief showers and the threat of rain scared off some of the tailgaters. Carl Morris/WN3DUG counted only 50 vehicles in the tailgate area at mid-morning.

To all who came out to help with the Hamfest and made it a success, THANK YOU FOR YOUR SUPPORT!

Our officers and directors for the coming year will be installed at our Annual Dinner Meeting on June 2, 1998 and some awards, such as HAM OF THE YEAR and OUTSTANDING AMATEUR, will be given by the President, Tim Keener/N3VGS. Elected were:

President-Tim Keener/N3VGS

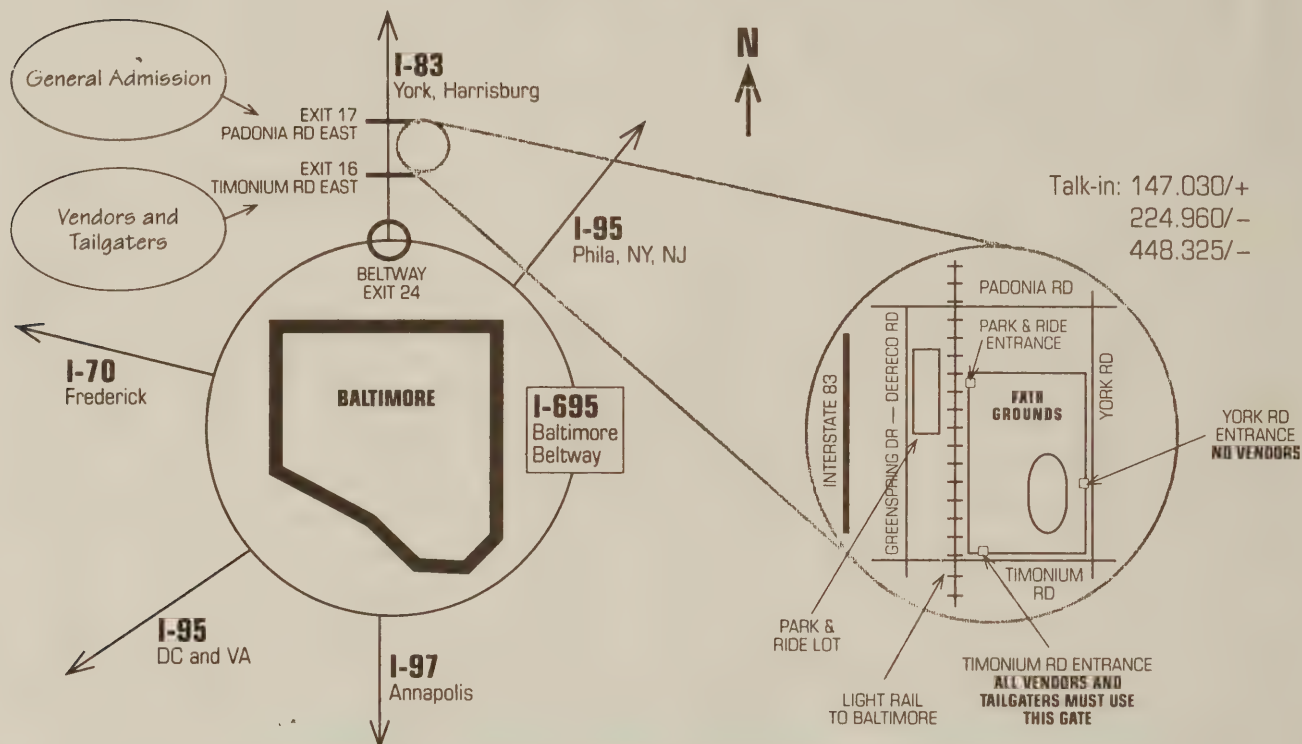
MARYLAND HAMFEST AND COMPUTER FEST



SPONSORED BY
THE BALTIMORE RADIO AMATEUR TELEVISION SOCIETY
SUNDAY, JULY 26, 1998

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ACCESSIBLE TO THE HANDICAPPED
KIDS UNDER 12 FREE



- Prizes • Giant flea market • Computers
- Good Food • Refreshments • Air Conditioned
- Indoor/outdoor exhibit areas • Rain or shine
- 600 Tailgating spaces (first come first served, no reservations)

FREE VE EXAMS AT 9 AM ONLY, CHECK-IN AT 8:30 AM
PRE-REGISTRATION REQUIRED, CALL 410-467-4634

Buildings open Sunday at 8 AM

Tables Available

For info, table reservations, and VE exam pre-registration contact
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410-467-4634 voice or fax
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The Shenandoah Valley Amateur Radio Club

Presents The

48th Annual Winchester Hamfest and Computer Show

(Electronics Flea Market Open To The General Public)

SUNDAY, AUGUST 2nd, 1998

at the

CLARKE COUNTY RURITAN FAIRGROUNDS

IN

BERRYVILLE, VIRGINIA



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HAMFEST

Remember!
Always the first
Sunday in August.

Hamfest Chairman
Tom Martin
KF4TNX

- GATE OPENS AT 6:00 AM
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- COUNTRY HAM & EGG BREAKFAST
- CONCESSIONS & SNACK BAR AVAILABLE
- RURITAN'S FAMOUS CHICKEN & BEEF BARBECUE
- VE EXAMS (SAME DAY)*
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- FREE BINGO WITH PRIZES
- GRAND PRIZES AND HOURLY DRAWINGS
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*VE Exams by the **Mountain A.R.C. Teams** at Cooley School, across from Hamfest. Walk-ins welcome. Register between 7:30 & 8:30 AM. Exams begin at 8:30. This VEC team **does not charge** for exams. All classes offered. For more info, contact Gay Rembold, W3DFW (301) 724-0674 or Fred Wetzel W4KRT (540) 678-0394, email: hwetzel@adelphia.net

For information, vendor registration and pre-reservations, contact **Jane Barb KD4IET** (540) 955-1745 email: ibarb@visuallink.com or **Tom Martin, KF4TNX** (540) 323-0074, or [email:hamfest@Vvalley.com] P.O. Box 139, Winchester, VA 22604. Download this flyer and vendor table forms from our Web Site at: <http://www.Vvalley.com/svarc/hamfest>

of meetings to be transmitted by electronic mail to members who indicate that this is their preference. All members with e-mail addresses will be queried as to whether they wish e-mail or USPS delivery." This amendment was approved by unanimous vote of the members present.

New business: There followed a brief description of the Crystal City 10K Run, after which W4PWF reported on the most recent FAR meeting, and the success of the widows' assistance program.

Field Day will take place on the last weekend of June, and we have requested space at the Arlington Chapter House. KT4EL will again serve as chef. KT4EL moved, KA8OPJ seconded, that we encumber up to \$75 for FD98 food, approximately the same as FD97. (Passed unanimously) W4PWF will review the rules, and try to choose to optimal category, since we could have been #1 in another category instead of #4 last year.

The meeting was adjourned at 8:20.

Respectfully submitted,
Mike KA8OPJ, Secretary



Baltimore Amateur Radio Club

Meetings: Meetings: Twice monthly, 7:30 pm at Towson Presbyterian Church (June through Sept). -First Wednesday of the month -business meeting, Third Wednesday of the month - program.

Repeaters: W3FT/RPTR 146.67(-), 224.24 (-) (no PL) and 449.625(-)(PL 107.2) Note: two meter/220 Mhz. repeaters are linked.

Club Net: 2nd, 4th & 5th Wednesdays at 6:45 PM or after the Baltimore Traffic Net on 146.67/224.24 repeaters.

NTS Net: Daily at 6:30 pm on 146.670/224.240

Information: (410) HAMTALK
Greater Baltimore Hamboree & Computerfest/Maryland State ARRL Convention information: (410) HAM-FEST or (800) HAM-FEST.

Club Address: BARC, Inc., P.O. BOX 120, Reisterstown MD 21136

Internet Address: <http://www.baltarc.com>

E-Mail Address: info@baltarc.com

CLUB NET

The weekly club net has switched the schedule from the Tuesday 8:30 PM slot. The new day is Wednesdays when there is no club meeting. This will normally be on the second, fourth and fifth Wednesdays. The Club Net will follow the Baltimore Traffic Net, starting a few minutes after BTN is finished. This will allow time for folks to make those contacts. Also, the BTN net controls give a "five minute" warning, at 6:25 that the net will start at 6:30. The purpose of this announcement is as a reminder so that those calls can be made before net time.

FIELD DAY

W3FT was again on the air from Graham Memorial Park near Cub Hill, Md. Tom, N3YHC

Chapter X



THE INTERNATIONAL ORGANIZATION
OF PROFESSIONAL RADIO TELEGRAPHERS

For Information Call
(703) 536-9537

led the efforts. Full report will be here in August.

ELECTIONS

The elections were to be held in June. Since the deadline for this publication is June 1, details will also follow. The nominating committee has published the list of nominees.

MEETINGS

Summer is here, so the meetings are moved to the Towson Presbyterian Church. The meeting time is still 7:30 PM on the first and third Wednesdays of the month. The church is located a block west of the Towson courthouse that is located at Bosley Avenue and Chesapeake Avenue.

WEB PAGE

The web page contains a membership application that can be printed and mailed in. Point the browser to <http://www.baltarc.com/memappl.html> or look at all of it at <http://www.baltarc.com> and see what else you may find.

73 from N3VEJ

This is going to be my last column for a good while. My term as Corresponding Secretary is up on July 1. The new candidate will likely be sending the news from Baltimore. I've been doing this for about 18 months, and have enjoyed it very much. I regret the one month I missed sending one in, and John Queen has made it pretty easy to submit these things. It's too bad all the clubs that are a part of FAR don't send a little something. *[I agree!! - Editor]*

73 de Doug N3VEJ



Reminder - all submissions for

AUTO GALL

are due no later than
the 1st of the month prior to the
month of publication!!



Capital City Amateur Radio Society

Meetings: 3rd Saturday of each month at 1200 hours at the Woodridge Public Library, 18th and Rhode Island Ave, N.E., Washington, D.C. Visitors welcome.

Repeater: W3EIL 144.51/145.11 MHz, open.

Nets: Regular net Wednesday at 2000 hrs, RTTY net Thursdays 2100 hrs, voice portion 2145 hrs, all on 145.110.

Mailing Address: CCARS, 1719 Franklin Street, N.E. Washington, DC 20018-2033.

Information: Steve, W3ETX, (202) 526-1329 or Chester, W3EIL (202) 529-9598, Joe K3UAL (301) 773-5074 EMail K3UAL@Juno.com.

KNOW YOUR CLUB MEMBER

W. Joe Saunders, Jr. K3UAL Joe is a native of West Virginia, but was raised in Washington, D.C., He attended public schools graduating from Armstrong High School. He majored in Graphic Arts and minored in Education at West Virginia State College, Institute, W. Va. He later received a Master of Arts degree in Educational Guidance and Counseling with a minor in History and Geography at Marshall University. Huntington. W. Va.

During World War II he was employed as a printer for the Army Map Service and Bureau of Engraving and Printing. Later he returned to his home state and accepted a teaching position in printing at Douglas High School in Huntington, W. Va. Joe then returned to his Alma Mater West Va. State College where he was an associate professor of Graphic Arts and a coach of the varsity swimming team.

After some eight years teaching in W. Va. He was offered a position at Spingarn High School in Washington. D.C. The next 26 years were spent there teaching Graphic Arts, History and American Government.

Joe has served as Flotilla Commander, Flotilla 75 for two terms. He is now Communications staff Officer of Division VII, VE Officer for Flot. 75, Cruise Committee member Seafarers Yacht Club Annapolis, Md. Joe is a 27 year member of the U. S. Coast Guard Auxiliary.

Jeanne his wife is also a member of the USCGA and is Crew qualified Joe operates a USCGA Fixed and Land Mobile radio station for the 5th USCG District. He has been a licensed Amateur Radio operator for 36 years . a member of the Military Affiliated Radio System. As member of the ARRL Amateur Auxiliary he serves as an Official Observer. Joe has many accomplishments in amateur radio world . He has obtained DXCC. WAS. WAC.OTC. RCC.. He is a member of OMIK.CCARS. MARS and President of MCNC. Every Monday on all Ham bands you can find Joe operating the Amateur Radio Station NN3SI at the Smithsonian Institution.

Joe and his wife love to travel, their ventures include seven countries in Europe . Bermuda. thirteen countries in the Caribbean, the Panama Canal Zone, Mexico, Costa Rica and twenty-two U. S. States.



Carroll County Amateur Radio Emergency Team & Radio Club

Address: Carroll County Amateur Radio Club
P.O. Box 2099, Westminster, MD 21158.

Repeaters: 2M: 145.410-, 70cm: 449.875,
6M: 53.090.

BBS: 145.03 & 446.075.

Nets: Tuesdays 8:30 p.m. local CARET Net
145.410-. Wednesdays: 8:00 p.m. local, Mason
Dixon Swap Net 145.410-.

Club Meetings: Business meeting Second
Monday of the month at the EOC in Wesmnister. 7:30 p.m. local, talk-in: 145.410-
Program meeting: Last Wednesday of the
month at the EOC in Wesmnister. 7:30 p.m.
local, talk-in: 145.410-.

It is June all ready! It seems like we were just talking about Field Day and no the time is near. What a wonderful time in amateur radio. To all our new club members or to anyone who has never been to a Field Day — you just got to come. It is the biggest group activity which all North American amateurs get together. And, if you never have been to a Field Day — you will never be to any better than that which the Carroll County Amateur Radio Club puts together!! This club is not a contesting club, but we contest hardy. This club is an active emergency service club, but we can relax. This club can put on a culinary spread that can rival any field day group in the area. Bring Mom, Dad, spouse, the kids, friends, or any other acquaintance to the Gamber Volunteer Fire Department's grounds in Gamber on Saturday afternoon, June 27th, to show them how real radio enthusiasts (nuts) get their emergency training (jollies). Dinner is around 6 PM. Bring a covered dish to share with the others.

In the June issue of QST there are many interesting articles for Field Day. I know that Steve N3SB has been contemplating over which type of antennas to effect a loud signal on the low bands. There are a couple nice articles about gain wire antennas. Check with Steve and the Field Day committee for what is needed in working Field Day. Friday night and Saturday morning set-up; Sunday tear down; operating positions during the 24 hour event; and any other possible area. There is plenty to do. If you are a night person, there is always a need for the over night crew. There just is something special about working CW in the calm of the night.

The summer E skip season is starting. Did anyone catch the six meter opening over the Memorial Holiday weekend? I didn't realize it until it was almost over. I just happened to turn on the television to catch the 6 o'clock news. When I tuned in TV channel 2, all I saw was a completely herringbone screen. So, I put down the remote and went to my six meter rig. Wow! I heard stations down in Florida. Single Sideband, FM, and some strong CW stations, too. I even picked up a beacon in EL88 grid square. I'm sure we'll have some

good E skip for Field Day. Six meters anyone?

Do you want to up-grade so you can get on the HF bands? Tune in to the CW practice on Tuesday night before the CARET net at 8PM on 145.41 MHz. Thanks to Wayne N3UN.

Don't forget the RACES drill on June 9. The scenario is "Hurricane Category 4 with emphasis on response and recovery."

As many of you know, Bud W2GLN has had to leave the area due to job commitments. I would like to thank Bud for his efforts, input, and presence in the club as Vice President and fellow Ham. You will be missed. Thanks Bud!

73 de WX3F



Central Maryland Amateur Radio Club

Meetings: 4th Friday of the month at 7:30pm, at the Doctors Community Hospital, 8118 Good Luck Road, Lanham, MD (no meeting in December). Enter in the Outpatient Testing entrance across from the Emergency Room entrance behind the main building. Take the elevator to the 5th floor and exit left, the meeting room (DSE Room) is on the right.
Repeater: N3EZD/R 145.230 Mhz. Users must transmit a 110.9 Hz CTCSS Tone for full area coverage. No tone necessary for local coverage.

Net: Every Tuesday, 9:30pm, 145.230 MHz repeater.

Mailing Address: Central Maryland Amateur Radio Club, P.O. Box 788, Greenbelt, MD 20768-0788.

Information: Jim Tilton, Pres. - KD3JA, (301) 552-0012.

Web Page: <http://www.erols.com/jctilton/cmarc/>.

Morse Code Practice Nets

CMARC has initiated Morse Code practice nets at 9pm on Wednesday and Thursday evenings over the N3EZD repeater. Other net times may be offered in demand is sufficient. Anyone is welcome to participate. Check the CMARC Web page for any schedule changes. For more information call Jim/KD3JA at (301) 552-0012 or send e-mail to jctilton@erols.com.

May Meeting Notes

Featured at CMARC's May meeting was an APRS demonstration by Tom Wolff/N3BXW. Tom showed how using APRS with a laptop PC, GPS receiver and 2 meter transceiver one could equip a car with a navigation system and even the equivalent of a "lo-jack" car theft recovery system!

Field Day - June 27

CMARC will again participate in Field Day with an emergency powered set-up at the New Carrollton Bible Church, located on Good Luck Road, just inside the Beltway overpass, in New Carrollton, MD. This year we would like to have a Novice/Technician station in addition to the regular HF stations. Roger/W3VP will be coordinating our Field Day effort. See next month's article for a report on CMARC's Field Day.

73 de Jim/KD3JA

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Charles County Amateur Radio Club

Meeting: General membership meeting first Friday of every month at 7:30 PM in the Charles County Government Building, Office of Emergency Preparedness (OEP), La Plata, MD. Non-members are very welcome.

Mailing Address: Charles County Amateur Radio Club, Inc., P.O. Box 668 White Plains, MD 206095-0668.

Repeaters: KA3GRW/R, 443.700+, LaPlata, W6QMN/R 145.39+ (PL 7Z), Bryantown, MD

Repeater Trustees: KA3GRW, Mike Tackish W7UH, Bob Adams.

Special Event Callsign: K3SMD

Interim Website: <http://www.qsl.net/k3smd/index.html>

Information: Mike/KA3GRW (301)609-9298 or Gary/K3GRG (301)645-7465

handy!

We participated in two (2), back-to-back, emergency communication exercises in June. The first COMMEX was on June 9th and the second was a "local" drill on June 10th. Thanks go to Mike/KA3GRW, Tom/W3TOM, and Ron/KD4UUH for coordinating our club participation.

Our next club meeting is on July 10th. We are looking for any ham or prospective ham to join us. Give us a call, we'd love to have ya!

Until next month,
73, Gary/K3GRG, Charles County Amateur
Radio Club, Inc. PIO



Columbia Amateur Radio Association

Club meeting: 4th Tuesday of the month at 7:30 p.m., at the Bethany United Methodist Church, Bethany Lane, Ellicott City. Net: 147.135 repeater at 8:30 p.m. each Tuesday except for meeting nights.

Repeaters: 147.735/147.135 (cross-linked to 222.32/223.92); 147.990/147.390 (autopatch & direct dial 911); 222.32/223.92 (cross-linked to 147.735/147.135); 443.275/448.275, and 444.475/449.475 (autopatch & direct dial 911).

Other club stations: HF all mode 2-meter FM 2-meter 1200 baud packet (AX.25) on 145.690.

Information: Bob Scarburgh, Pres - KC3EV, (410) 465-2421.

Mailing: P.O. Box 911, Columbia, MD 21044

We'd like to welcome W7UH/Bob and the Zekiah Swamp VHF Society repeater, W6QMN/R, as a Charles County Amateur Radio Club, Inc. affiliate. So, now we have a UHF and VHF repeater presence in Southern Maryland. Additionally, we'd like to welcome Jim/K3JLA and Larry/W3RL as new members to the club.

June was a very busy month for the club. It started out with the monthly meeting on June 5th. We started a bit earlier than normal since we were building field antennas in the parking lot. Mike/KA3GRW and Vicky/N3OAD are due a special thanks for firing up the barbecue. Turnout was terrific - thanks everybody!

Field day was a resounding success, as it was the first one for the club. It was held at the FOP Recreation Center in Blossom Point, MD. A very special thank you goes out to Tom/W3TOM, Willie/W1ZX, and Art/N3KUQ for the outstanding antenna arrays - the bucket truck sure did come in

The club has taken major steps to improve its main two repeater stations, 147.135 and 448.275. Both RF decks have been replaced with new Yaesu Vertex commercial quality repeaters. The 147.135 machine now has a Motorola 500 watt amplifier tuned back to about 220 watts. Other improvements include all new double-shielded coaxial cables. All this was accomplished through the hard work of

the tech committee: Larry-N3HOX, Art-WA3CVG, Henry-N2VAK, Jerry-K3NZZ, Don-W4VQA, and Dave-W8AJR. Thanks also to John-N3LEB for his work on the Motorola amplifier. Future plans include a converted Motorola solid state amplifier for 448.275, and installation of a recently acquired top-of-the-line ACC Rc-850 controller on the 147.135

CARA's packet station, K3CUJ, is operating reliably on both 145.69 and 440.925. Bink-W3NNM, is seeking other members to share the SYSOP functions.

The April meeting was devoted to discussing plans for Field Day. At the May meeting, the speaker was Martin Davidoff-K2UBC, who talked about the history and future of amateur satellites. He is the author of two ARRL publications on amateur radio satellites. The club plans to purchase 10 copies of his latest book and sell them at list price with the 'profit' over wholesale cost going to AMSAT. The budding CARA satellite group is fortunate in that the club already owns the multi-mode VHF/UHF transceiver and antennas needed to work most of the satellites now in orbit.

Until later, 73's, Jean Williams-KB3AOT



Dulles Amateur Radio Group

On-the-air meeting: Tuesdays at 8:00pm on the Dulles repeater

Repeater: N4FSC, 145.310- (near Dulles airport)

Mail: Dulles Amateur Radio Group, P.O. Box 5073, Herndon, VA 22070-1964 Home Page: www.darg.org.

Email: darg@darg.org.

Club callsign: W4DLS

Information: Mike Weber, WB8RDN, 703-450-2304.

The Dulles Amateur Radio Group (DARG) is a family-oriented ham radio club affiliated with the N4FSC repeater in Dulles, VA. Membership is open to all, and the club holds several social and operating events each year. Dues are \$20/yr for your entire family; members have access to the repeater's autopatch, and dues include a 1 year subscription or renewal to AutoCall. All area hams are warmly invited to join our information net on Tuesday evenings at 8:00pm on the N4FSC repeater, 145.310-.

The Dulles Amateur Radio Group supported the CF Walk-a-Thon. DARG was represented by Al (NH2K), Norm (KD4LTH), Will (W4FZ) and Bob (AB3H). The Walk-a-Thon's goal was to raise \$25,000, and CF Foundation surpassed that goal by raising \$26,015. 214 walkers participated in the event.

The walk-a-thon began at 9:00 AM and the last walker crossed the finish line a few minutes before noon. Peggy Dubeck and Stacy Adesso, the coordinators of the event, thanked DARG for participating, and assured us that the club's services were greatly appreciated. There were no emergencies, and it was an altogether beautiful morning.

Thanks to Al, Norm and Will for their work on this project; DARG is proud of the effort you made, and the work you did as representatives of the club. (Thanks to Bob, AB3H for this input)

The simulated disaster drill at Loudoun County Hospital planned for 30 May was canceled. Stay tuned for any rescheduled activity. Pictures of the Loudoun Hospital move are now on the DARG web site at www.darg.org. Check them out!

DARG member Doc Farnham, N3NAG has been seriously ill for some time. Doc is elderly, and is now living in a nursing home. All our good wishes and prayers go out to Doc and his family. I'm sure Doc would like to hear from his friends in the amateur fraternity; drop him a card at: Harold Farnham, c/o Manor Care Wheaton, Room #231,

11901 Georgia Ave., Silver Spring, MD 20982. Or, email him at N3NAG@WEBTV.NET.

DARG will hold its annual all-hands membership meeting on Sunday, June 21, 1998 at the Eastern Loudoun Regional Library in Sterling (Cascades), from 1:30 PM to 3:00 PM. The topic for the meeting is nothing less than the future structure of the Dulles Amateur Radio Group, and the selection of new Board of Trustee members to serve from June 98 to June 99. All DARG members are requested to attend.

Beginning immediately after the meeting at 3:00 PM, Steve (KA1LM) will host a DARG Technical Seminar on Amateur Radio Satellites. Directions to the meeting:

From the East:

Take Route 7 west, towards Leesburg. Exit onto Cascades Parkway North toward Cascades. Turn right just past the Home Depot onto Cranston Street.

From the West:

Follow Route 7 east, toward Tyson's Corner. At Cascades Parkway, take the second right exit north to Cascades. Turn right just past the Home Depot onto Cranston Street.

From the South:

Take Route 28 North. Turn right on Route 7 East, toward Tyson's Corner. At Cascades Parkway, take the second right exit north to Cascades. Turn right just past the Home Depot onto Cranston Street.

The library is at the end of Cranston Street. Parking is available at either end of the building. The library's entrance is to the left front as you face the building. Talk-in will be available on the N4FSC repeater (145.310-).

73, de Mike, N4PDY



Historical Electronics Museum Amateur Radio Club

Meetings: Second Thursday of each month, 5:30 PM, In the Historical Electronics Museum, West Nursery Road and Elkridge Landing Roads. Linthicum, Maryland (Next to BWI Marriott Hotel).

Info: Nick Yovanovich, N3YVW, (410) 544-5736. **Club Station:** W3GR.

Mail: P.O. Box 746, Mail Stop 4015, Baltimore, MD 21203.

Street address: 1745 W. Nursery Rd., Linthicum, MD 21090.

In response to the report of the operators of the TBL-13 transmitter during the WWII commemoration operation an ad hoc committee was formed. The TBL-13 after several hours of operation developed a chirpy signal and then lost all output power. Charlie Angel (no wise remarks, please!), AA3FB, Gary Ryan, W3GMX, Les Jamison WR3X, and Ernie Farkas, K3CBW, operated the TBL-13 for three hours into a dummy load (signing our call and listening as some quirky things have happened with D.L. operation!). There was no sign of the original problems and the success could only be contributed to dumb luck, Murphy's Law or the fact that we had burnished the multiple contacts of the keying relay.

Speaking of commemorative operations, which have proved to be highly successful, our QSL committee reported the need for \$35 (only?) for stamps and QSL cards. Many of the requests for certificates come in with insufficient or no postage and the run on our original buy of QSLs has caused a need for more cards soon. (We received a quote of \$800 for 500 cards from a non-ham source!) Herm Turner, WK3P, and his gracious XYL, Lois, KA3WQ, have produced some beautiful certificates for these operations. The next event commemorating D-Day on June 6 and 7 will

unfortunately be over when this information is in your hands. If you missed it, don't forget our WWII Commemoration in December using the call W2W (that's as close as we could get to WWII, Hi). Note that CW contacts are made using the TBL-13 and perhaps soon the BC-610 (made operational by Charlie, AA3FB).

Hemarc President, Nick Yokanovich, NONY (neat new call), gave a report on the Torsk submarine special event on April 25 and 26 at the Inner Harbor. This event commemorates the U.S. Navy's acceptance of its first submarine on 25 April 1900.

Nine subs from the east coast to the west coast operated on the 25th and 3 subs operated on the 26th. Due to poor propagation only 100 contacts were made. Chip Weems, W4PBG, also participated. Nick's participation had a personal motivation—his father served in submarines during WWII!

Field Day preparations were discussed. We will be operating class 2A battery powered with power limited to 5 watts RF.

There was no technical presentation but Les Jamison, WR3X, reported the Museum on May 1st had an official ceremony opening the newly refurbished Educational Gallery. This gallery is devoted to the entertainment of kids (of all ages) who can put their hands on the equipment. Included are a working crystal set (Gary's, W3GMY, creation), a DC motor and a hand powered generator, a telegraph set (CW by Rol, K3RA), an electronic metronome (powered by static electricity), a working fax machine and many more neat exhibits.

Rol Anders, K3RA, and Les Jamison, WR3X, operated the W3GR station for the entertainment of the visitors. Thirty-eight contacts in several countries were made.

Come back soon, Chip...73, Ernie, K3CBW



Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

Meetings: 4th Wednesday of each month (except November & December) 7:30pm at 384 Main Street, Laurel Md.

Social: 2nd Wednesday of each month, except December (Call for directions).

Nets: 1st & 3rd & 5th Wednesdays, 8:30pm, on 147.225+, no tone.

Mail: P. O. Box 3039, Laurel, MD 20709-0039

Exams: 3rd Saturday of each month, to pre-register contact: John/WB3GXW (301) 572-5124 after 6 P.M.

Information: Mark/N3NTQ (301) 572-2385 or Roger/W3LM (301) 776-6961.

Web Site: <http://www.webtrek.com/~laurel/org/larc>. E-mail: laurel@webtrek.com

The Laurel Club had their usual busy May with the Montpelier Festival and the Main Street Festival following on its heels the next weekend.

We didn't think we were going to participate with helping with the comms for the Montpelier Festival, but the director asked so we consented. As it turned out, the paid staff had new radios this year, so we viewed our efforts as training so the staff will feel more comfortable next year. It appears that they will be on their own next year.

One of our two main events during the year is the Main Street Festival. Our club has helped with this over the last 10 years. This year the festival committee asked the club to not just help with the parade, but to actually be in charge of assembling it and getting it started. We made several logistics changes which eased the line-up confusion. One interesting idea was suggested for next year, and that was to have a porti-pottie placed near the staging area. We had about 80 units participating and they ranged from single politicians, to fire trucks, to color guard marching units to several marching bands. Quite a large crowd to handle,

but I think we did OK.

Our next events will be the Pallotti High School 5k run/walk, Field Day, and the Laurel 4th of July Parade and fireworks.

The club was recently donated a pop-up type camping trailer. I'm sure the questions of how to outfit it, paint it, and most importantly, how to store it will be the topic of discussion on our nightly ragchews on 147.540.

Congratulations to John Creel/WB3GXW on his selection as the Mid-Atlantic Division ham of the year. John has been an active member of our club for many years and a very capable leader of our VE team. I'm sure he'll have fun in Rochester, NY receiving his award. It is a great honor and John deserves it.

73 de Jim/WI3N



Loudoun Amateur Radio Group

Meetings: Third Saturday of every month (except Nov/Dec meeting; check with club contact for specific date) 8:30 A.M. at El Ranch Plus Restaurant, Purcellville, VA. (Monitor 147.48 Mhz simplex.)

Club Station: K4LRG

Net: LARG 10 Meter Net, Sundays at 8:00 P.M. local on 28.360 Mhz SSB; Commuter Net, mornings and evenings during the week on 147.48 Mhz FM.

Mailing: P.O. Box 1004, Purcellville, VA 20134

Info: Gary Quinn, NC4S, 540-882-3017 or Norm Styer, AI2C, 540-228-2584

May Meeting Highlights:

The club is gearing up for Field Day, which will be held at Ida Lee Recreation Center again this year.

Upcoming events include a fox hunt in July. The July meeting will include a quick breakfast followed by the fox hunt.

Amateur radio classes will also be held again in the fall. Paul, N4PD, will head this committee. Anyone out there interested in finding out more about the classes should contact Paul at 703-777-6949.

73, DE KE4RTP



The Maryland Apple Dumpling Radio Amateur Society, Inc.

Meetings: 2nd and 4th Thursdays - 7:00 P.M. St. Paul's Church, 10401 Armory Avenue, Kensington, Maryland 20895.

Clubhouse: MADRAS Clubhouse, 11800 Coakley Circle, Rockville, MD 20852

Nets: 1st and 3rd Thursdays at 9:00 P.M. on 145.45 MHz (PL-5A).

Repeaters: 444.100/449.100 MHz (PL-2A), 145.45/144.85 MHz (PL-5A).

WWW Address: <http://myhsl.mbhs.edu/~fwright/MADRAS.html>

Mailing: P. O. Box 2468, Wheaton, MD 20902

Information: Leo Boberschmidt KA3TGY (301)946-3738, Jean Blacik N3PLC (301) 984-6114.

During the month of May we devote both of our meetings to Field Day preparation. We set schedules for antenna checks, assign various tasks to members, line up radios and operators, gather fans, clocks and lamps, plus all the hundred other things that are necessary to assure that we have an efficiently run event.

Of course we are all aware that there are always a few glitches in the system but we all hope that we can compensate for these few minor inconveniences. We are an optimistic group, aren't we. I guess one has to be in order to go through

these procedures year after year and keep smiling.

July is always a favorite month for MADRAS members and their families. This is when we hold our annual cookout and picnic in Michele's (WK3X) wonderfully air-conditioned home and spacious back yard. The grill sizzles with hot dogs and hamburgers and the dining room table groans with salads, vegetable platters, deviled eggs, fruits, cakes, pies, candy and nuts.

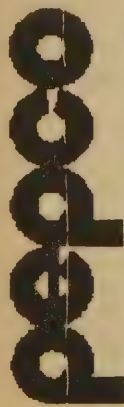
The July cookout and picnic will take place on Sunday, July 19th, from 12:00 noon to 6:00 P.M. We'll start off the festivities with cool refreshing drinks and an assortment of mouth watering snacks. Be sure to bring your appetites with you because we'll be munching, non-stop, for at least six hours.

No date has been set for our annual End of Summer dinner, as of yet. This will take place sometime in August, probably during the middle or end of the month.

Our only meeting in June will take place on the 11th and we will be meeting at the Clubhouse. Since we do not hold eye-ball meetings during the summer months our next formal meeting will be September 10th. We will, of course, hold our Thursday night Net every week during this time frame.

HAPPY FOURTH OF JULY!!

73, Jean-N3PLC

	Michael C. Martin N3RWF
	Interference Investigator
	<i>ESO&C Substation Operations & Test-Electronics</i>
	8400B Old Marlboro Pike Upper Marlboro, MD 20772
Office/Fax 301 967-5230 Pager 202 530-3731 Email MCMARTIN@PEPCO.COM	



The Maryland Mobileers Amateur Radio Club

Meetings: First Friday of each month at Baldwin Hall, Millersville, MD.

Repeaters: W3CU (PL 107.2) - 146.805 & 449.125 both in Millersville, Md. W3VPR - 442.3 in Annapolis - Joint usage AARC.

Social Breakfasts: 15 days (3 Saturdays) after club mtg, at Rick's Cafe in Odenton at 9 AM.

Mailing: MMARC, P.O. Box 935, Severn, Md. 21144

Nets: 2-Meter on 146.805 @20:30 local time every Monday, 10-Meter CW practice net @19:00 Monday on 28.230 MHz.

Information: Bill Ziegler KA6TYY (410) 987-2384 (email: Zzziggy@aol.com).

Web: <http://www.erols.com/wb3v/mmarc/>

Greetings from the Mobileers!

Below is an article on what went on at the Mobileer's Special Event Station W3N on board the USS TORSK 423 on ARMED FORCES DAY. The TORSK served the US Navy from 1945 - 1971 and is now located in Baltimore Inner Harbor.

Though the TORSK party may not have been of quantity, it certainly was of quality! On Saturday, 16 May, Russ - N3GT, Sam - KB0RPB, Tom, W3NI, Bill - KA6TYY and Brian-N3QXW met at the Honey Bee Dinner. Though food was available we really only met to further refine our Special Event!!

Once we arrived at the TORSK, we all went to our jobs and in no time we had the vertical antenna for the 20 meter station set up and used the club's dipole for the 40 meter station. Though we had hope to use the existing HF antenna on the TORSK's Conning Tower, it didn't seem to receive very well, so SAM volunteered to scale the conning tower and try to out maneuver the seagull digested residue. He did a fine job and rigged the Dipole

so that at the end of the day all we had to do is untie one line and it all would come down. By now the heat was getting pretty intense so we weaved the coax down the conning tower hatches and applied power to our rigs.

Lucky for us the inside of the sub is air conditioned. As in years past the 40 meter was in the TORSK's radio room and the 20 meter was on the Mess Deck along with the 2 meter. By now Ken, N3OPI and Arnie, K3TEL arrived. From that point on until we quit at 1600 we had pile-ups all day long. The Special Event Call Sign, W3N, attracted attention well and all in all the propagation was good. We even picked up some familiar call signs at Dayton!

The MMARC Banner Flew proudly on the TORSK's rail and though there was no official head count, countless tourist were given a full exposure to amateur radio.

I want to thank all who helped out. Special thanks go to SAM for being brave enough to climb up the side of a WWII Sub (not sure if this was bravery or just being young?!) and also a special thanks to Ken, who was a public relations ambassador for amateur radio and the MMARC. Also thanks to Russ and Brian who supplied much of the equipment. It was a great time and the Maritime Museum really appreciated us being there.

Here is the QSO Count: 20 mtrs =3D 110 contacts (Russ's, Arnie, Sam, Ziggy Station). 40 mtrs =3D 172 contacts (Brian's & Tom's station!!!). VHF=3D 50 contacts (Ken and others!). Total Contacts =3D 332.

That's it for this month. Please note our club meeting, breakfast and net times. We would be happy to meet you and share some good "Ham Stories"!!

Don't hesitate to use our repeater if you are in the areas.

73, Bill/KA6TYY



The Mid-Atlantic DX and Repeater Association

Meetings: Rotating locations, among Hagerstown MD, Frederick MD, Martinsburg WV and Gaithersburg MD.

Net: Thursday evenings at 1930 local on 147.06.

4 State10M net: Wednesdays at 2000 local on 28.315.

Repeaters: Frederick MD: 147.06, 224.20, 448.125; Martinsburg WV: 147.345.

Mailing: 230 North Potomac St., Suite 2A, Hagerstown MD 21740

Information: Voice BBS (301) 416-8447 and (301) 473-4151.

Web Page: <http://www.qsl.net/madra>

E-Mail: madra@juno.com

SwetFest98!!! Seems like this column should start like a car dealer's ad. You know, lots of crashing and thumping rhythm in the background and a shouting, breathless voice to create excitement. Is it likely that MADRA's annual downtown HamFest in Brunswick, Maryland, will reverse the trend all others are suffering? As you have heard, even the reports from Dayton tell us attendance is down for vendors, swappers, sellers and buyers. So...we're using another, different approach to present a 'Fest with a difference.

Brunswick's a railroad town, and the Railroad Museum is right next to the HamFest area in Railroad Square. Brunswick was a major port on the C&O Canal and the Museum is expanding its exhibits of canal days. Hams like technology. Hams get into radio control of a lot of models: boats, sailplanes, airplanes, cars, and trains. So there you have it - the thinking behind SwetFest98.

MADRA's contact teams have been out there for months, beating the bushes for Ham vendors, equipment vendors and those other firms and hobbyists who buy/sell/swap in the technology

fields so many Hams are also interested in. We have a firm commitment from a badge maker (notice how hard they've been to find lately?) That's what we have been up to in getting ready for SwetFest98. Join us July 12 for fun in the sweltering sun with your favorite technologies.

Oh Yeah - one more thing: Most Hams have families and many of their family members have interests different from technology. At SwetFest98, those folks will find that Brunswick's downtown store owners will be open during the 'Fest. That means antiques, crafts, books, and railroad memorabilia will all be available in the twoblock area of SwetFest98 - see you there!

By Proclamation of the County Commissioners, June 1998 was Ham Radio Month in Frederick County, Maryland. As part of MADRA's plan to celebrate this we offered to demonstrate packet, ATV, SSTV, and HF at the County's TechnoExpo the last two days in May. That didn't work out but we did show the Ham Radio Flag at Brunswick's Annual Health, Fun & Safety Day celebration June 13. We were also in the malls and parking lots of local shopping centers to help members of the public better understand what we do and what we can do.

We also want to thank the editors, reporters, and photographers of the Frederick County edition of the Gazette newspapers for their in-depth feature news article on Ham Radio during June. One of the challenges for us was to find a station in good enough state of construction to be photographed. Luckily we found Jay, KA3EKY, right in Frederick and ready to welcome a photographer with only 24-hour's notice.

And...How 'bout that Field Day? It seemed to work for other clubs, so we decided to try a club picnic as part of the weekend's activities. For some reason, as sociable as MADRA's members are, we've never been able to get them really well-organized for a club picnic. At least we got them to arrive at the same place and time by tying it together with Field Day.

Hope you didn't try to join us at Red, Hot & Blue for June's dinner. It wasn't there. The restaurant, that is. In July, the club dinner should be in the same building but there's a new business at that location: The DanDee Restaurant. Nets and repeaters are pretty much as they've been. To keep track of the most current info on us, just surf out to that WebSite (above) and check in on our nets.

73 DE N2CSQ/3



Montgomery Amateur Radio Club

Meetings: 1st and 3rd Wednesdays of each month at 7:30 p.m., Executive Office Bldg, Montgomery Co. Govt Center, 101 Monroe St, Rockville. Park in underground lot G-2.

Repeaters: 146.955 (-600) & 442.750 (PL 156.7) in Rockville.

Club Net: Every Sunday night at 7:30 PM, on the MARC repeater.

Internet: <http://www.qsl.net/marc>

Mail: MARC, P.O. Box 611, Gaithersburg, MD 20884-0611

Information: Jeff - KZ3F (301) 258-0112

Training: Ms. Rocky Jones (301) 216-5210.

The Montgomery Amateur Radio (MARC) club has been appointed a "Special Service Club" by the American Radio Relay League (ARRL); the national organization of Amateur Radio Operators. The Special Service Club recognition is reserved for Amateur Radio clubs that meet the highest standards of community service established by the ARRL, which represents some 160,000 Amateur Radio Operators in the U.S.

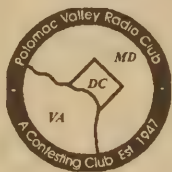
Founded in 1967 by local Amateur Radio operators, the Montgomery Amateur Radio Club currently has over 300 members from the area.

The club was named a Special Service club for the second year in a row because of its emergency

communications program and participation in Amateur Radio Emergency Service. Other qualifications for the award include MARC's community involvement, technical education classes, and new ham recruitment and training.

Amateur Radio operators are radio hobbyists licensed by the Federal Communications Commission to experiment with and operate radios on certain specifically assigned frequencies. Under certain conditions, hams are able to communicate world wide with small portable radio stations, and are known internationally for the assistance they render in relaying messages into and out of disaster stricken areas.

For more information on Amateur Radio and the Montgomery Amateur Radio Club contact: Jeff Horlick, KZ3F at (301) 258-0112 or by e-mail at horlick@us.net or visit our web site at www.qsl.net/MARC.



Potomac Valley Radio Club

Packet: K3MQH 145.63, K3NA 145.63, K4FJ 145.77, KE3Q 145.57 445.375, N3RR 145.51 441.325, N4OHE 145.710 440.925, N4SR 145.63, W3LPL 145.59 441.25, WR3L 145.61 440.95.

Web: www.pvrc.org & www.pagesz.net/~pvrcnc.

Information: Rich Boyd, KE3Q, (301) 464-8014, rboyd@capaccess.org

This column will provide the casual operator with sufficient information to participate in selected HF and VHF contests scheduled during July. Times are given in EDT though logs should be in UTC (Zulu) time. You do not have to be a member of any club or send in a score to enjoy operating in contests and help others to earn points. For information about contests or PVRC membership, please contact KE3Q. PVRC is a non-dues club. RAC Canada Day Contest. June 30th 8pm - July 1st 8pm. CW (check on half-hour) 25 kHz up from

band edge. SSB: 1850, 3775, 7075, 7225, 14175, 21250, 28500 kHz. Also, 6 and 2 meters. They mostly send RS(T) and province or serial. We send RS(T) and serial number. Special points for working VE0 or stations with a RAC suffix.

IARU HF Championships. 11th 8am - 12th 8am, 160 through 10meters except WARC bands. SSB and CW. IARU HQ stations send RS(T) and society abbreviation. Others send RS(T) and ITU zone number. We are in zone 08.

CQ Worldwide VHF Contest. 11th 2pm - 13th 5pm, all modes and bands 50 MHz and above. Exchange your grid square. Most serious VHF/UHF testers use SSB and CW but the hungry ops watch for simplex FM contacts and are glad to explain the contest and exchange. The best FM channels to check are 52.525, 146.55, 146.58, 223.50, and 446.0 MHz. Also, check 52.54, 146.48, 147.42, and 446.10 MHz. Only the Field Day rules allow use of 146.52 MHz for contest contacts.

RSGB Island-On-The-Air Contest. 25th 8am - 26th 8am, 80 - 10 meters phone and CW. Send RS(T), serial number, and IOTA number if you are on an island. Extra points for working island stations.

73, Dick Wilder, K3DI, 410-757-6706, wilder@clark.net, or via the above packet network.



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Shenandoah Valley Amateur Radio Club

Meetings: First and Third Friday of every month at 7:30 p.m. SVARC Club House 2921 Grace Street, Winchester, Virginia.

Repeater: 146.22 In/ 146.82 Out.

Net: Shenandoah Valley Emergency Net (SVEN) 7:15 daily on 146.22/146.82 Repeater.

Mailing: P.O. Box 139 Winchester, 22604.

President: Fred Wetzel (W4KRT).

Info: Irvin Barb, W4DHU, 955-1745.

Internet home page: <http://www.vvalley.com/svarc>.

Hello again from the Shenandoah Valley. When the rain slowed down it got too warm, too quick. But, we all like to enjoy the things that come with summer weather. Public Service Events recently supported by the SVARC:

The Dogwood 1/2 Hundred Race at Fort Valley, VA, was among the last group of events supported in April this year.

Apple Blossom Week was a busy one. The annual Apple Blossom 10K Race on Saturday morning before the main event "Apple Blossom Parade" was supported by club members at various checkpoints to report race progress and any needed assistance.

We provided the Police Dept., with support during the Firemen's Parade traffic line up on Friday evening and did likewise Saturday for the Apple Blossom Parade.

The following week-end club members manned their stations to support the annual Happy Trails 100 mile Foot Race at Massanutten/Fort Valley, VA.

We would like to acknowledge some club members for making time in their schedules to give their generous support.

Tom Sullivan KD4WSM, Irv Barb W4DHU, Jane Barb KD4IET, Wayne Koehler KE4PMS, Tom Martin KF4TNX, Rick Choy N3HXT, Ken Kelley KF4QLC, Jim Hodgson KE4JJR, Wes Laudermilk KD4GDY, Mike Collins W4ACC, Bill Taylor KE4SYY, Guy Avey W3INT, Romie Nickles KF4NDM, Don Mort KU4KN and Jerry Pixton W6IHG. Hopefully I did not miss anyone.

Public Service Events that we have listed on our agenda for future support are:

Berryville Day, May 30

Old Dominion 100 Mile Horse Race, June 13/14

Blue Ridge Soccer Club Tournament Sherando School, June 26 & 27

Until next time 73

Guy Avey W3INT



Sterling Park Amateur Radio Club

Meetings: 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.

Mailing: Call Box 599, Sterling, VA 20167.

Information: Bill Lorentz, KS4II, 703-444-6341 or via email KS4II@AOL.com.

Fifteen members attended the May SPARC meeting. Nominations were made for the club election to be held in June. Bill Lorentz, KS4II was nominated for president, Dick Maylott, W2YE as vice-president, Forrest Snyder, N4UTY as secretary and Ray Mullins, KD4RSL as treasurer. Some early discussions were held about our Field Day plans with the bulk of the final planning to be done at the June meeting. James Chappell, KQ4NR prepared a press release to be submitted to the local papers detailing what field day is about and SPARC's plans at ParkView High School in Sterling.

The quest speaker was Dave Williams, K7HMP who talked about key collecting. He gave up a few secrets on where to look for keys. Railroading and Ham Radio have one thing in common...that's right a key. Railroad telegraph keys do not have a shorting br like the radio keys do, you don't have to tune up a telegraph system. Dave described many keys dating back to the early 1900's. He told the story of how he obtained a key that was used by his father in his job as a telegrapher. Dave pointed out some military J-36 and J-38 keys that were made by those famous radio companies of yesteryear Lionel and Westclock! During the WWI and WWII many companies manufactured products just for the war effort. Thanks again Dave, we really enjoyed your presentation.

73, Bill, KS4II



The Middle Atlantic FM and Repeater Council, Inc.

Meetings: Coordinating Committee (CC) normally meets the last Monday of each month, 19:30, in the OEP conference room of the Prince George's County Emergency Operations Center off Central Avenue. Talk-in on 147.18.

Address: P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

Web Page: [HTTP://WWW.T-MARC.ORG](http://WWW.T-MARC.ORG).

E-mail: TMARC@T-MARC.ORG

Information: President - Owen Wormser K6LEW (703)684-7682 CC Chairman - Bill Conaway W8HNT, Pager (703)741-4251. Ombudsman - Jim Erickson K3LFO (410)549-1041, K3LFO@APEXGRP.COM.

"Who are the frequency coordinators in this part of the country?" you may have wondered. This month I'll tell you about them. First, of course, is T-MARC, which coordinates repeaters in Maryland, the District of Columbia, Delaware, the five eastern-most counties of West Virginia, and the northern 1/3 of Virginia (the dividing line in

Virginia is the 38th parallel west from the Atlantic to where it intersects U.S. Route #30, then along Rt. 30 to the W.V. state line).

There are two coordinators to our north. The eastern 1/2 of Pennsylvania and the southern 1/2 of New Jersey is coordinated by the Area Repeater Coordinating Council of Eastern Pa. and Southern N.J., or the "ARCC". The ARCC's Web page can be found at WWW.ARCC-INC.ORG.

The western 1/2 of Pennsylvania is coordinated by the Western Pennsylvania Repeater Council, or "WPRC". They can be reached at by E-mail at WPRC@BFDIN.COM. Informal inquiries can be made by E-mail to their coordinator, Joe McElhaney KR3P at MCH@NB.NET.

To our west and south is "SERA", the Southeastern Repeater Association, which coordinates the remainders of Virginia and West Virginia, as well as many of the rest of the southern states. SERA's Web page can be found at WWW.SERA.ORG, and E-mail for any of their officers/directors/coordinators can be addressed to (callsign)@SERA.ORG.

All of these organizations will be happy to assist any of you who might need coordination or related help in their areas.

Unfortunately, there is NO frequency coordinator or organization for the greater New York City/Long Island/northern N.J./western Ct. areas! The TriState Amateur Repeater Council, or "TSARC", disbanded a couple of years ago, and efforts to create a replacement organization have foundered. Can you imagine the problems this is causing - not just for repeater sponsors, but for all of the users, as well? Let's hope this never happens in our area!

The new ARRL Repeater Directory is out, and it's fatter than ever! Every traveling ham should have one. And it is a worthwhile addition to any FM'er's library.

73, Gary, W3DTN, T-MARC PIO



Vienna Wireless Society

Meeting: 7:30pm second and fourth Fridays of the month at the Vienna Community Center.

Nets: Pow-Wow nightly at 9 pm. on 28.444 MHz Slow speed code, nightly 8:30 pm on 28.390 MHz. Vienna Emergency Net, Wednesday 7:30 pm 146.085/146.685

Repeater: K4HTA 146.685(-), 448.375(-).

Information: Mike Toia, K3MT, president, (703) 757-7021; Program: Mike Steussey AE4R, (703) 281-0010.

Mailing: P.O. Box 418 Vienna, VA. 22183

About the time this issue comes out, it will be Field Day. As usual, the VWS set up at Burke Lake Park. Hope the weather is good!

Our programs over the last several months have

been spectacular, thanks to program chairman Mike, AE4R.

In April, we had an excellent program on Virginia ARES and RACES by Frank Mackey, K4EC. On May 8, we had another great talk, this one by Dick Daniels, W4PUJ, on the next generation of amateur satellites. On May 22, Mr. Robert Graves, Chairman of the Advanced Television Systems Committee, gave a presentation on the status, plans, and consumer issues involved in the switch over from present television technology to HDTV. He included a fascinating review of the digital technology involved in HDTV, and wasn't afraid to address the sticky consumer issues that face all of us in the next couple of years. Certainly a timely as well as interesting program! Our meetings continue through the summer: the second and fourth Fridays of the month at 7:30 PM at the Vienna Community Center, between Park and Center Streets in Vienna. See you there.

73, Kerry WA4BQM



National Capital ARES Council Public Service Calendar

Sat Jun 13

S/S Jun 27/28

Sat Jul 4

S/S Sep 19/20

S/S Oct 3/4

Sun Oct 25

Thu Dec 31

ARES Institute - N4ZGI

ARRL Field Day

4th Of July - Lee District Park - K3IZ

Roanoke Division Convention - Virginia Beach

ARRL Simulated Emergency Test

Marine Corps Marathon - N4ZGI

Alexandria First Night



.. submissions are due the 1st day of the month prior to the month of publication.
Submit all Club Columns, Shack Sales, and commercial advertising copy to:

John Queen, Editor, Auto Call Magazine
755 Woodland Way, Owings, MD 20736

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FOR SALE: MULTI-TECH 224 external 300, 1200/2400BPS modem with docs/pwr supply (17.3VAC/10.5VA & 27.5VAC/7.5VA) excellent condition - \$20.00 - (410) 329-2255 home. [07/98]

FOR SALE: TI terminal ("700", model 742), 3 rolls paper, manuals, MFJ TNC2 packet unit, cables, power supply, only needs handheld transceiver to complete packet station S100.: TI 700 available separately, parts can be used for power supply. (703) 370-1880. (Alexandria), e-mail: grose@capaccess.org [07/98]

FOR SALE: MFJ-841 2 meter hand held SWR power meter used twice \$30.00. KLM JV6 J-Pole antenna 50-52 MHz 5 db gain \$60.00. Alinco VHF H/T linear amplifier 3 in 30 out, FM, SSB, CW, \$45.00. Joesph Funk N3LRP, 1013 Belgarden Lane, Pasadena, MD 21122. [07/98]

FOR SALE: 3 Viking-2 transmitters, \$75 each. 2 Johnson-Viking VFO-model 122, \$50 each. 2 manuals for above, \$15 each. (These were winter projects that never were done). 1 SX28 and manual, \$75. 1 2-meter handheld, Alinco DJ-160, spare battery and charger and manual, \$125. 1 code improvement course 10 wpm to 20 wpm and 2 cassettes, \$10. Call K4BXZ, Bob Slaughter, (703) 281-3305. [07/98]

FOR SALE: Yaesu FT-736 144/430 Mhz with optional 50 MHz and keyer modules (operates only on 220 vac and 12 vdc, otherwise nice - includes 220/110 xfmr and 2M and 70cm cubicle quads) \$1000 RF Concepts 2-317 2M amp 30W in/170W out with preamp \$175. JiM M-100 preamp for handheld xcvr \$65. Sig. NV7AA,

signer@erols.com, (202) 712-4085, home/fax
(202) 467-00053. [06/98]

FOR SALE: Henry linear amplifier model 2004-A 440 MHz desk amp 1 KW pep has ATV mod used less than 1 hour \$1000.00. Yaesu FT-690R II 6 meter all mode portable has battery holder and 10 watt linear amp, \$350.00. J-Com Ventriloquist digital recorder new in box have 2 \$80.00 each. Roy KO4LM (540) 898-0604 [07/98]

FOR SALE: HF Station- Kenwood TS-430S Xceiver with hand mike, Kenwood PS-430 Power Supply, Kenwood AT-200 Antenna Tuner, all with manuals and factory boxes, \$650.00. Contact Jay, K3SCM at (814) 623-5745 or e-mail k3scm@bedford.net. [06/98]

WANTED: (Tube Type) Hi-Fi Equipments, LP records, Call: 703-680-5902, Fax: 703-730-9841. [09/98]

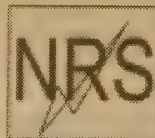
WANTED: Early pre-1980 microcomputers for museum collection. Also early microcomputer sales literature and magazines. KK4WW (540) 763-3311 or (540) 382-2935. [10/98]

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73 Murray (K3BEQ) mgreen@erols.com



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[SWP]

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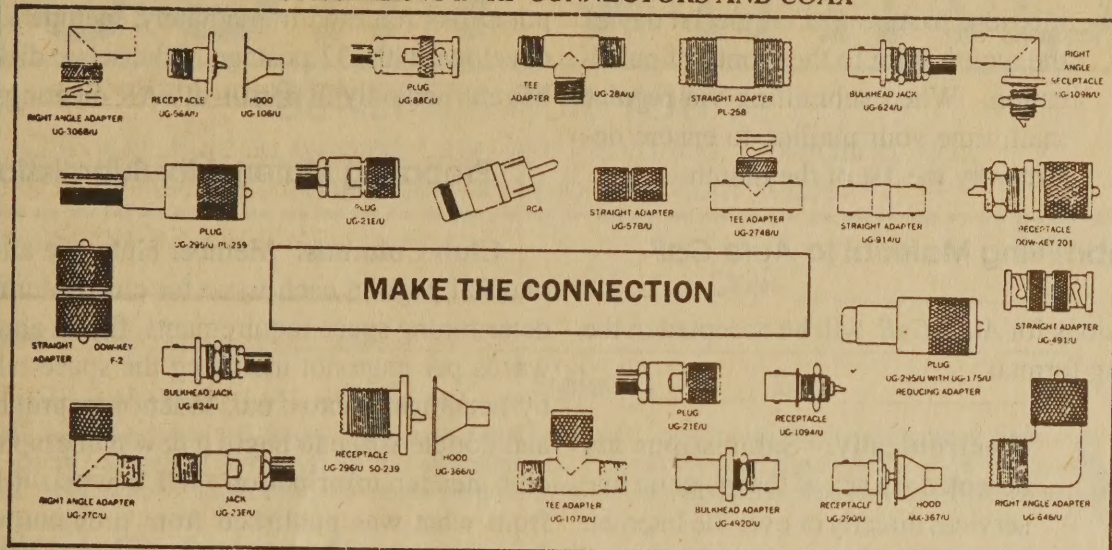
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Submissions for *Auto Call* will be accepted in the following formats:



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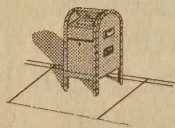
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Computer Disk: Submissions are accepted on 3.5" or 5.25" computer disk, in either Macintosh or MS-DOS format, using Word, WordPerfect, or standard ASCII text files. Write your name, telephone number, and club name on the disk. Submit graphic files (club logos, etc) in an EPS or TIFF format. Please verify the readability of your com-

puter files before sending. If you want your computer disk returned immediately, include a SASE envelope with .32 postage. Otherwise, disks will be returned only in person at FAR meetings.

Preparing Material for Submission

Club Columns: Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page not including the space taken up by headings, photos, etc. Indent paragraphs .25" and double space to begin a new paragraph. Send club header information ONLY when different from what was published from previous month. The editor reserves the right to edit any submitted material for space, content and/or applicability.

Hamfests/Events: Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions of Hamfest ads will not be accepted.

Photographs: The editor will select the best photograph submitted for the cover each month. Photographs should depict club members, club stations, or amateur radio related events that are current and noteworthy. Clubs may also submit photographs for inclusion with their club column. Photographs will be used in columns when space permits. Either B&W or color photos can be used. For each photograph submitted, write your name, phone number, and club name, along with a description of the photograph on a piece of paper, and tape it on the back of the photograph. Do not write on the back of your photo. If you want your photos returned immediately, include a SASE envelope with sufficient postage. Otherwise, photos will be returned only in person at FAR meetings.



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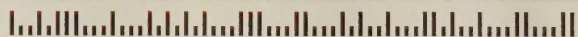
Area Club Meetings - JULY 1998

<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
			1 BARC Montgomery	2 Anne Arundel	3 Mobileers Shenandoah	4 Green Mtn.
5 Kent Island	6 DOSARC	7 Antietam PGWA	8 FAR - VA Exp Post	9 AMRAD MADRAS Mid-Atlantic Mt. Vernon HEMARC	10 VOA Vienna So. Maryland Alexandria	11 North Point
12 Metro Comm	13 Carroll Co.	14 Leisure Frederick Woodbridge	15 BARC Montgomery Goddard	16 Anne Arundel	17 Shenandoah	18 Capital City QCWA 91
19	20 OVHA	21 Antietam Arlington	22 Exp Post Moose Laurel QCWA 137	23 MADRAS St. Mary's	24 Central MD Vienna	25
26 Adventist	27 Green Mtn. T-MARC Calvert	28 Columbia	29 Carroll Co.	30	31	



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